

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:

**July  
2010**

**Edmund G. Brown Jr.**  
Governor  
**State of California**

**John Laird**  
Secretary for Resources  
**The Resources Agency**

**Mark Cowin**  
Director  
**Department of Water Resources**

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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Department of Water Resources  
**MARK COWIN, Director**

Department of Water Resources  
**DALE HOFFMAN-FLOERKE, Chief Deputy Director**

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The organization shown above represents staff and positions relevant to this report as of publication date on October 2012. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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## **MONTHLY HIGHLIGHTS**

The following activities highlight actions that affected State Water Project operations during July 2010:

Statewide precipitation was about 110 percent of average for the 2009 - 2010 water-year through July 31. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at:  
[“http://cdec.water.ca.gov/snow\\_rain.html”](http://cdec.water.ca.gov/snow_rain.html).

Snowpack data is compiled four times annually, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

July snowpack data is not available.

Cumulative unimpaired runoff for the Sacramento River Region for the 2009 - 2010 water-year was 15.2 maf, 85 percent of average. Statewide runoff for the 2009 - 2010 water-year was 90 percent of average.

Statewide reservoir storage was 105 percent of average to date. Total storage in major SWP reservoirs at the end of July was about 3.48 maf compared to 2.47 maf at this time in 2009. On July 31, end-of-month storage at Lake Oroville was about 2.41 maf, as compared to 1.55 maf at this time in 2009. The State share of San Luis Reservoir's end-of-month storage was about 516 taf, as compared with 383 taf at this time in 2009. The combined storage in SWP's southern reservoirs was about 556 taf, compared with about 537 taf at this time in 2009.

SWP water deliveries to date through July were about 1.75 maf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2009 were 1.43 maf.

On July 1, by mutual agreement between the United States Bureau of Reclamation and the California Department of Water Resources in accordance with Article 6(h) of the COA, “Balanced” conditions were declared in the Delta. “Balanced” conditions exist when the DWR and the USBR agree that releases from upstream reservoirs plus unregulated flow approximately equal the water supply needed to meet Sacramento Valley in-basin uses, plus exports.

On July 13, 2010, Thermalito Afterbay reached an elevation of 133.50 feet and was held there for 12 hours for the Giant Garter Snake Habitat Operation. On July 22, 2010, Skinner Fish Facility reported the old building holding tank No. 2 was full of water and would not drain. Banks Pumping Plant was limited to 6780 cfs until the tank drain was repaired. Banks was rescheduled for a high of 6654 cfs.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jun 30	5001.84	22,416									
1	5001.79	22,370	-46	20	0	0	0	18	38	15	
2	5001.76	22,342	-28	20	0	0	0	18	38	24	
3	5001.71	22,296	-46	20	0	0	0	18	38	15	
4	5001.67	22,259	-37	20	0	0	0	18	38	19	
5	5001.63	22,222	-37	20	0	0	0	17	37	18	
6	5001.60	22,195	-27	20	0	0	0	17	37	23	
7	5001.56	22,158	-37	20	0	0	0	17	37	18	
8	5001.50	22,103	-55	20	0	0	0	17	37	9	
9	5001.46	22,066	-37	20	0	0	0	17	37	18	
10	5001.42	22,030	-36	20	0	0	0	17	37	19	
11	5001.37	21,984	-46	20	0	0	0	17	37	14	
12	5001.34	21,956	-28	20	0	0	0	17	37	23	
13	5001.26	21,883	-73	20	0	0	0	17	37	0	
14	5001.22	21,847	-36	20	0	0	0	17	37	19	
15	5001.17	21,802	-45	20	0	0	0	17	37	14	
16	5001.12	21,756	-46	20	0	0	0	17	37	14	
17	5001.08	21,720	-36	20	0	0	0	17	37	19	
18	5001.00	21,647	-73	20	0	0	0	17	37	0	
19	5000.95	21,602	-45	20	0	0	0	17	37	14	
20	5000.89	21,548	-54	20	0	0	0	17	37	10	
21	5000.82	21,485	-63	20	0	0	0	17	37	5	
22	5000.77	21,439	-46	20	0	0	0	17	37	14	
23	5000.72	21,394	-45	20	0	0	0	17	37	14	
24	5000.66	21,341	-53	20	0	0	0	17	37	10	
25	5000.60	21,287	-54	20	0	0	0	17	37	10	
26	5000.54	21,233	-54	20	0	0	0	17	37	10	
27	5000.49	21,188	-45	20	0	0	0	17	37	14	
28	5000.42	21,126	-62	20	0	0	0	17	37	6	
29	5000.34	21,054	-72	20	0	0	0	17	37	1	
30	5000.28	21,001	-53	20	0	0	0	17	37	10	
31	5000.23	20,956	-45	20	0	0	0	17	37	14	
Total cfs-days				---	620	0	0	0	531	1,151	415
Total ac-ft				-1,460	1,230	0	0	0	1,053	2,283	823

**Table 2. Frenchman Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Jun 30	5566.76	27,919									
1	5566.72	27,878	-41	2	9	0	0	14	25	4	
2	5566.68	27,837	-41	2	9	0	0	14	25	4	
3	5566.64	27,796	-41	2	9	0	0	14	25	4	
4	5566.63	27,785	-11	2	9	0	0	14	25	19	
5	5566.50	27,653	-132	2	9	0	0	14	25	-42	
6	5566.44	27,592	-61	2	18	0	0	14	34	3	
7	5566.37	27,521	-71	2	30	0	0	14	46	10	
8	5566.30	27,449	-72	2	34	0	0	14	50	14	
9	5566.26	27,409	-40	2	30	0	0	14	46	26	
10	5566.17	27,318	-91	2	25	0	0	14	41	-5	
11	5566.07	27,216	-102	2	25	0	0	14	41	-10	
12	5565.95	27,095	-121	2	23	0	0	14	39	-22	
13	5565.98	27,125	30	2	17	0	0	14	33	48	
14	5565.83	26,974	-151	2	25	0	0	14	41	-35	
15	5565.82	26,964	-10	2	29	0	0	14	45	40	
16	5565.72	26,864	-100	2	29	0	0	14	45	-5	
17	5565.63	26,773	-91	2	29	0	0	14	45	-1	
18	5565.55	26,693	-80	2	29	0	0	14	45	5	
19	5565.39	26,533	-160	2	29	0	0	14	45	-36	
20	5565.29	26,434	-99	2	29	0	0	14	45	-5	
21	5565.23	26,374	-60	2	29	0	0	14	45	15	
22	5565.19	26,334	-40	2	26	0	0	14	42	22	
23	5565.11	26,255	-79	2	16	0	0	14	32	-8	
24	5565.05	26,196	-59	2	11	0	0	14	27	-3	
25	5565.05	26,196	0	2	11	0	0	14	27	27	
26	5565.03	26,176	-20	2	12	0	0	14	28	18	
27	5565.00	26,146	-30	2	13	0	0	14	29	14	
28	5564.90	26,048	-98	2	12	0	0	14	28	-21	
29	5564.82	25,969	-79	2	22	0	0	14	38	-2	
30	5564.77	25,919	-50	2	0	0	0	14	16	-9	
31	5564.75	25,900	-19	2	0	0	0	14	16	6	
Total cfs-days				---	62	598	0	0	434	1,094	76
Total ac-ft				-2,019	123	1,186	0	0	861	2,170	151

1/ Last Chance Creek Water District.

**Table 3. Lake Davis**

Daily Operation  
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract 2/					
Jun 30	5767.38	56,679									
1	5767.35	56,582	-97	10	3	1.0	0	31	45	-4	
2	5767.32	56,485	-97	10	3	1.0	0	31	45	-4	
3	5767.29	56,388	-97	10	3	1.0	0	31	45	-4	
4	5767.26	56,292	-96	10	3	1.0	0	31	45	-4	
5	5767.24	56,227	-65	10	3	1.0	0	31	45	12	
6	5767.20	56,098	-129	10	3	1.0	0	31	45	-20	
7	5767.19	56,066	-32	10	3	1.0	0	31	45	29	
8	5767.17	56,002	-64	10	3	1.0	0	31	45	12	
9	5767.15	55,438	-564	10	3	1.0	0	31	45	-240	
10	5767.12	55,842	404	10	3	1.0	0	31	45	248	
11	5767.10	55,778	-64	10	3	1.0	0	31	45	12	
12	5767.07	55,681	-97	10	3	1.0	0	31	44	-5	
13	5767.04	55,585	-96	10	3	1.0	0	31	44	-4	
14	5767.02	55,521	-64	10	3	1.0	0	31	44	12	
15	5767.00	55,458	-63	10	2	1.0	0	31	44	12	
16	5766.97	55,362	-96	10	2	1.0	0	31	44	-4	
17	5766.94	55,266	-96	10	2	1.0	0	31	44	-4	
18	5766.93	55,234	-32	10	2	1.0	0	31	44	27	
19	5766.88	55,075	-159	10	2	1.0	0	31	44	-37	
20	5766.84	54,948	-127	10	2	1.0	0	31	44	-21	
21	5766.82	54,884	-64	10	3	1.0	0	31	45	12	
22	5766.78	54,757	-127	10	3	1.0	0	31	45	-19	
23	5766.76	54,694	-63	10	3	1.0	0	31	45	13	
24	5766.78	54,757	63	9	3	1.0	0	31	44	76	
25	5766.74	54,631	-126	8	3	1.0	0	31	43	-20	
26	5766.69	54,472	-159	8	4	1.0	0	31	43	-37	
27	5766.69	54,472	0	8	3	1.0	0	31	43	43	
28	5766.64	54,315	-157	7	4	1.0	0	31	43	-36	
29	5766.62	54,252	-63	7	3	1.0	0	30	41	10	
30	5766.57	54,094	-158	7	3	1.0	0	30	41	-38	
31	5766.52	53,937	-157	7	3	1.0	0	30	41	-38	
Total cfs-days				---	280	93	31	0	958	1,362	
Total ac-ft				-2,742	556	184	61	0	1,901	2,702	
										-40	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

2/ Includes 55 AF to Grizzly Ranch and 0 AF to Plumas County.

**Table 4. Lake Oroville**

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Jun 30	843.28	2,719,221										
	1	843.01	2,715,682	-3,539	10,909	24	0	0	331	0	11,264	0
	2	842.81	2,713,063	-2,619	11,580	24	0	0	278	0	11,882	0
	3	842.65	2,710,968	-2,095	11,636	24	0	0	310	0	11,970	0
	4	842.20	2,705,085	-5,883	12,709	24	0	0	358	0	13,091	0
	5	841.88	2,700,906	-4,179	11,557	24	0	0	381	0	11,962	0
	6	841.40	2,694,646	-6,260	13,660	24	0	0	317	0	14,001	0
	7	840.70	2,685,536	-9,110	17,313	24	0	0	269	0	17,606	0
	8	840.00	2,676,447	-9,089	17,326	24	0	0	252	0	17,602	0
	9	839.27	2,666,983	-9,464	17,478	24	0	0	283	0	17,785	0
	10	838.48	2,656,770	-10,213	18,251	24	0	0	275	0	18,550	0
	11	837.52	2,644,396	-12,374	18,396	24	0	0	376	0	18,796	0
	12	836.59	2,632,447	-11,949	18,503	24	0	0	328	0	18,855	0
	13	835.62	2,620,023	-12,424	18,380	24	0	0	288	0	18,692	0
	14	834.93	2,611,211	-8,812	15,360	24	0	0	295	0	15,679	0
	15	834.27	2,602,801	-8,410	15,574	25	0	0	256	0	15,855	0
	16	833.50	2,593,014	-9,787	15,367	26	0	0	348	0	15,741	0
	17	832.83	2,584,519	-8,495	15,660	26	0	0	331	0	16,017	0
	18	831.74	2,570,739	-13,780	17,727	26	0	0	307	0	18,060	0
	19	830.74	2,558,143	-12,596	17,589	26	0	0	360	0	17,975	0
	20	829.74	2,545,590	-12,553	17,673	26	0	0	335	0	18,034	0
	21	828.63	2,531,707	-13,883	18,469	26	0	0	289	0	18,784	0
	22	827.58	2,518,623	-13,084	18,004	26	0	0	273	0	18,303	0
	23	826.46	2,504,719	-13,904	17,997	26	0	0	286	0	18,309	0
	24	825.61	2,494,203	-10,516	16,411	26	0	0	308	0	16,745	0
	25	824.47	2,480,148	-14,055	17,722	26	0	0	315	0	18,063	0
	26	823.41	2,467,129	-13,019	17,785	26	0	1	254	0	18,066	0
	27	822.38	2,454,525	-12,604	17,897	26	0	1	216	0	18,140	0
	28	821.72	2,446,473	-8,052	17,937	26	0	1	252	0	18,216	0
	29	820.60	2,432,850	-13,623	17,995	26	0	1	251	0	18,273	0
	30	819.55	2,420,130	-12,720	18,064	26	0	1	302	0	18,393	0
	31	818.53	2,407,823	-12,307	18,075	26	0	1	279	0	18,381	0
Total				-311,398	509,004	777	0	6	9,303	0	519,090	0
												207,692

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

**July 2010**

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jun 30	23,656										
1	24,005	349	10,909	463	0	9,691	0	9	1,434	0	111
2	23,857	-148	11,580	440	0	10,745	0	9	1,472	0	58
3	23,817	-40	11,636	486	0	10,700	0	9	1,470	0	17
4	23,913	96	12,709	410	0	11,403	0	9	1,472	0	-139
5	23,907	-6	11,557	387	0	10,217	0	9	1,470	0	-254
6	24,000	93	13,660	378	0	12,332	0	9	1,474	0	-130
7	23,719	-281	17,313	486	0	16,532	0	9	1,482	0	-57
8	24,182	463	17,326	486	0	15,723	0	9	1,377	0	-240
9	24,358	176	17,478	427	0	16,346	0	9	1,444	0	70
10	23,735	-623	18,251	486	0	17,857	0	9	1,345	0	-149
11	23,651	-84	18,396	429	0	17,374	0	9	1,333	0	-193
12	23,874	223	18,503	422	0	17,510	0	9	1,337	0	154
13	23,636	-238	18,380	423	0	17,692	0	9	1,335	0	-5
14	23,988	352	15,360	405	0	14,022	0	9	1,335	0	-47
15	24,298	310	15,574	441	0	14,143	0	9	1,335	0	-218
16	23,798	-500	15,367	486	0	14,989	0	9	1,335	0	-20
17	24,029	231	15,660	486	0	14,394	0	9	1,335	0	-177
18	23,891	-138	17,727	405	0	16,801	0	9	1,335	0	-125
19	24,007	116	17,589	424	0	16,614	0	9	1,335	0	61
20	24,240	233	17,673	486	0	16,636	0	9	1,335	0	54
21	23,628	-612	18,469	430	0	17,886	0	9	1,347	0	-269
22	23,430	-198	18,004	433	0	17,575	0	9	1,327	0	276
23	23,733	303	17,997	466	0	17,018	0	9	1,333	0	200
24	23,841	108	16,411	466	0	15,658	0	9	1,333	0	231
25	24,122	281	17,722	446	0	16,644	0	9	1,462	0	228
26	23,754	-368	17,785	425	0	17,288	0	9	1,351	0	70
27	23,600	-154	17,897	426	0	17,254	0	9	1,349	0	135
28	23,506	-94	17,937	424	0	17,244	0	9	1,343	0	141
29	23,768	262	17,995	486	0	16,953	0	9	1,343	0	86
30	23,581	-187	18,064	430	0	17,374	0	10	1,343	0	46
31	23,723	142	18,075	446	0	17,276	0	10	1,339	0	246
Total		67	509,004	13,734	0	479,891	0	281	42,660	0	161

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**Table 6. Thermalito Afterbay**

Daily Operation  
(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jun 30	132.55	41,148										
	1	132.21	39,888	-1,260	9,691	2,916	24	736	1,775	4,741	0	-759
	2	132.09	39,448	-440	10,745	2,876	24	688	1,827	4,741	0	-1,029
	3	131.96	38,974	-474	10,700	2,856	30	702	1,922	4,741	0	-923
	4	132.10	39,485	511	11,403	2,856	34	710	1,964	4,741	0	-587
	5	131.71	38,070	-1,415	10,217	2,856	34	726	1,950	5,752	0	-314
	6	131.28	36,538	-1,532	12,332	2,836	36	730	1,950	7,736	0	-576
	7	131.57	37,568	1,030	16,532	2,817	36	732	1,982	8,727	0	-1,208
	8	131.64	37,818	250	15,723	2,856	36	752	2,003	8,727	0	-1,099
	9	131.79	38,358	540	16,346	2,876	36	774	2,003	8,628	0	-1,489
	10	132.37	40,479	2,121	17,857	2,896	32	780	2,003	8,727	0	-1,298
	11	132.86	42,311	1,832	17,374	2,916	28	780	2,003	8,727	0	-1,088
	12	133.27	43,874	1,563	17,510	2,955	26	833	2,023	8,727	0	-1,383
	13	133.71	45,580	1,706	17,692	2,936	24	861	2,043	8,727	0	-1,395
	14	133.32	44,066	-1,514	14,022	2,936	20	861	2,083	8,727	0	-909
	15	132.98	42,766	-1,300	14,143	2,955	22	859	2,083	8,727	0	-797
	16	132.66	41,559	-1,207	14,989	2,936	22	859	2,083	9,322	0	-974
	17	132.09	39,448	-2,111	14,394	2,955	22	859	2,083	9,739	0	-847
	18	132.06	39,339	-109	16,801	2,955	22	859	2,043	9,739	0	-1,292
	19	132.01	39,156	-183	16,614	2,955	20	817	2,003	9,739	0	-1,263
	20	131.96	38,974	-182	16,636	2,955	20	801	1,978	9,739	0	-1,325
	21	132.22	39,925	951	17,886	2,916	20	772	1,960	9,739	0	-1,528
	22	132.50	40,961	1,036	17,575	2,876	22	760	1,984	9,739	0	-1,158
	23	132.51	40,998	37	17,018	2,896	28	760	2,023	9,739	0	-1,535
	24	132.18	39,778	-1,220	15,658	2,856	34	760	2,003	9,739	0	-1,486
	25	132.21	39,888	110	16,644	2,856	34	758	1,978	9,640	0	-1,268
	26	132.38	40,516	628	17,288	2,856	34	746	1,948	9,739	0	-1,337
	27	132.59	41,297	781	17,254	2,797	34	742	1,920	9,739	0	-1,241
	28	132.78	42,010	713	17,244	2,797	34	728	1,932	9,739	0	-1,301
	29	132.89	42,425	415	16,953	2,817	34	722	1,950	9,739	0	-1,276
	30	133.13	43,337	912	17,374	2,817	34	720	1,950	9,739	0	-1,202
	31	133.29	43,951	614	17,276	2,836	30	722	1,948	9,739	0	-1,387
Total				2,803	479,891	89,420	886	23,909	61,400	266,204	0	-35,269
												308,864

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

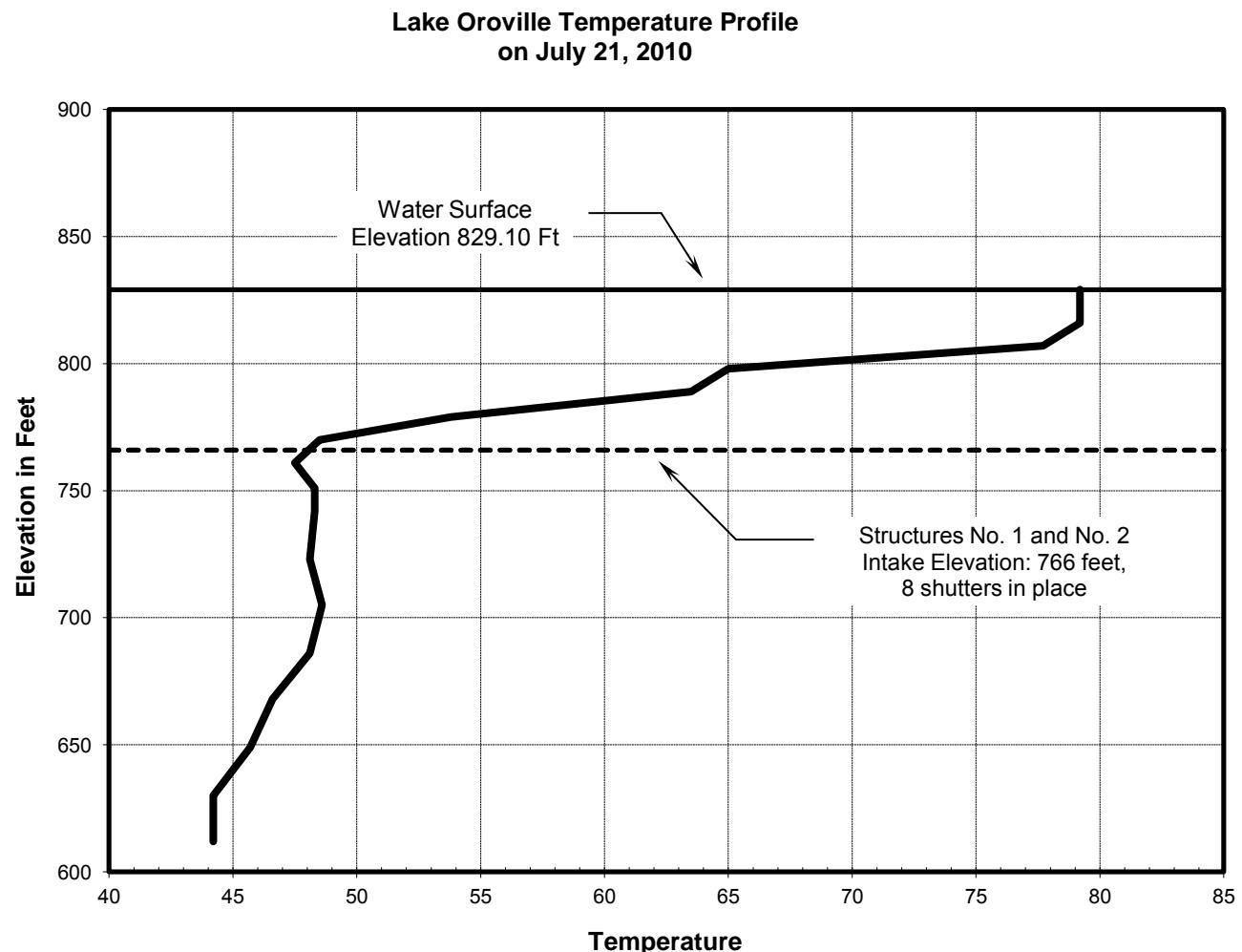
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

**July 2010**

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	67.9	57
2	69.2	57
3	70.8	58
4	70	58
5	68.6	59
6	67.1	58
7	66.2	59
8	65.3	59
9	65.2	59
10	65.8	57
11	66.4	57
12	64.7	57
13	63.8	57
14	65.6	58
15	65.8	58
16	65.8	57
17	65.3	57
18	66.3	57
19	66	58
20	63.7	58
21	63.3	58
22	63.9	59
23	64.3	59
24	64.7	60
25	64.3	60
26	64	60
27	64.3	57
28	65.1	57
29	65	58
30	64	58
31	63.6	58



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Permit	Article 56C	Pool A	Other	
	No.	Structure	Mile								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	6,555	350 345 1,079 500 171 2 1,263 113	119	1,316	1/ 1,000		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	350						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	345						
				Solano County Water Agency Fairfield / Vacaville 42"	2,395						
			17.00	Solano County Water Agency Central Solano	Stub						
		Cordelia Forebay	21.23								
		Cordelia Pumping Plant & Cordelia Spillway	21.30		3,378						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	619						
				Solano County Water Agency Benicia	1,171						
3A	2	Cordelia Surge Tank	23.33			2 0 1,263 113	2/ 200	10			
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	2						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	1,263						
			27.60	Napa County Flood Control & WCD American Canyon 1	323						

1/ Table A Exchange from Mojave WA to Solano County WA.

2/ Solano Permit water sold to American Canyon, delivered to Cordelia Forebay and pumped to American Canyon.

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

July 2010

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	217	112	9,518	9,518	555	0	0	0
2	213	115	11,893	11,893	543	0	0	11
3	219	110	13,129	13,129	548	0	0	43
4	203	106	12,992	12,992	540	0	0	51
5	183	93	12,883	12,883	505	0	0	54
6	199	108	12,880	12,880	491	0	0	123
7	199	106	11,077	11,077	450	0	0	98
8	223	115	11,528	11,528	542	0	0	62
9	196	95	13,284	13,284	52	0	0	62
10	201	100	12,469	12,469	519	0	0	62
11	215	113	9,891	9,891	534	0	0	36
12	206	105	11,050	11,050	554	0	0	20
13	216	114	11,051	11,051	558	0	0	20
14	210	107	8,335	8,335	541	0	0	20
15	237	120	8,345	8,345	539	0	0	21
16	231	114	8,042	8,042	538	0	0	20
17	216	110	0	0	524	0	0	21
18	218	115	7,982	7,982	521	0	0	20
19	206	110	7,749	7,749	523	0	0	20
20	215	109	8,432	8,432	537	0	0	20
21	188	100	8,960	8,960	541	0	0	20
22	211	105	10,057	10,057	530	0	0	20
23	229	111	10,057	10,057	549	0	0	20
24	219	109	9,687	9,687	552	0	0	20
25	214	114	10,057	10,057	478	0	0	22
26	202	105	6,744	6,744	555	0	0	21
27	213	113	11,920	11,920	546	0	0	22
28	206	108	12,124	12,124	549	0	0	21
29	220	114	11,784	11,784	335	0	0	21
30	221	117	11,225	11,225	543	0	0	21
31	209	105	12,018	12,018	520	0	0	20
Total	6,555	3,378	317,163	317,163	15,812	0	0	1,012

**Table 10. Clifton Court Forebay**

Daily Operation of Gates

**July 2010**

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1		08:32	10:15	14:50	20:40						9,904
2		09:15	11:00	15:45	20:00						11,892
3		10:30	12:00	15:18	20:45						13,250
4		06:30	08:45	11:30	13:15	17:26	18:25	22:30			12,040
5	01:45	08:30	11:33	22:17							13,237
6	02:30	09:30	12:30	19:11							11,883
7	03:15	10:15	13:18	19:46							11,883
8	00:01	00:15	04:00	10:50	14:00	19:20					12,137
9	00:01	01:22	04:45	11:10	14:45	21:00	22:40				12,872
10		03:00	05:45	11:40	15:30	22:30					12,873
11	00:01	04:00	06:30	12:00	17:30	20:20					10,896
12	00:01	04:45	07:30	13:00	17:50	21:00					10,897
13	00:01	05:45	08:15	13:25	18:25	20:23					10,896
14	00:01	02:10	09:00	15:15							8,315
15	00:01	03:40	04:12	07:30	10:00	15:10					8,309
16	00:01	08:45	11:00	15:33							8,310
17	00:01	09:45	12:15	16:20							8,320
18	01:00	07:00	10:05	17:00							8,304
19	01:45	07:15	11:15	17:00							8,318
20	02:30	08:55	12:15	17:35	18:53	22:06					8,909
21	00:01	00:30	03:30	10:10	13:41	19:55					9,906
22	00:01	01:45	04:30	11:15	15:20	21:32					9,905
23	00:01	02:45	05:15	11:40	15:45	20:36					9,908
24	00:01	03:30	06:00	12:30	16:30	22:38					9,902
25	00:01	04:15	06:45	12:50	17:32	20:20					9,906
26	00:01	05:00	07:15	13:13	17:55	20:10					9,881
27	00:05	05:45	08:00	13:45	18:15						11,890
28		06:30	08:45	14:40	18:30	21:45					11,888
29	00:01	07:00	09:17	14:47	18:15	23:00					11,891
30	00:01	07:45	10:00	14:30	18:45						13,865
31		08:30	10:45	15:40	19:15						12,039
Total inflow for the month in AF:											334,426

**Table 11. Governor Edmund G. Brown California Aqueduct**

Delta Field Division, Monthly Deliveries

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	USBR	Local Other	Pool A	Pool B	
	No.	Structure	Mile								
1A			1.83	Byron-Bethany I.D.	4,282			4,282			
1	1	Banks Pumping Plant	3.32		317,163						
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	15,812						
		Check No. 1	5.95								
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0						
	2	Check No. 2	12.01								
			12.47	Musco Olive	42						
		Check No. 3	18.29								
	3		22.16	Tracy Golf & Country Club	0						
		Check No. 4	23.99								
	4	Check No. 5	29.73								
	5	Check No. 6	34.24								
	6		35.22	Turlock Fruit Company Inflow	0						
		Check No. 7	39.91								
2A	7		42.46	Oak Flat Water District-A	87	69	180	499	248	2 16	
			42.9	Western Hills WD	180						
			43.81	Oak Flat Water District-B	499						
			44.64	Oak Flat Water District-C	95						
		Check No. 8	45.97								
	8		46.18	Oak Flat Water District-D	248						
				Oak Flat Totals:	929						
	9										
			Check No. 9	51.3							
	10	Check No. 10	56.86								
	11	Check No. 11	61.4								
	12		66.14	Veteran's Cemetery	59						
		Check No. 12	66.71		296,523						
2B											

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

July 2010

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Local	Article 56C	Pool A / Pool B	Other	Recreation	
	No.	Structure	Mile									
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	15,812	4	24	24	24	1/ 1,435		
			3.17	Granite - Vasco Rd. (Temp.)	0							
			3.18	Oakland Scavenger Zone 7	4							
		Check No. 1	3.91									
	2	Check No. 2	5.21									
	3		7.21	Zone 7 Water Agency Altamont	24							
		Check No. 3	9.49	Zone 7 Water Agency Patterson Storage Exchange Project Water	0							
2	4	Check No. 4	10.68			166	111	50	1,015	1/ 1,435		
		Check No. 5	12.29									
	6		13.55	Zone 7 Water Agency Wente #1	166	166	111	50	1,015	1/ 1,435		
			14.16	Zone 7 Water Agency Wente #2	111							
			14.31	Zone 7 Water Agency Ising	50							
		Check No. 6	14.65									
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	1,015	189	62	189	62	1/ 1,435		
		Check No. 7	16.38									
	8	Del Valle Branch Pipeline Junction	16.57	Zone 7 Water Agency Wente #3	0	189	62	189	62	1/ 1,435		
			16.63	Zone 7 Water Agency Wente #4	189							
			16.69	Zone 7 Water Agency Norman Nursery	0							
			16.70	Zone 7 Water Agency Concannon Project Water	62							
				Pumped into Lake Del Valle	0							
		Del Valle Branch Pipeline		Pumped into South Bay Aqueduct	0	309	270	93	2,957	2/ 222	3/ 114	
				Gravity into South Bay Aqueduct	1,012							
				Zone 7 Water Agency Arroyo Valle #1 & #2 Project Water	309							
		Del Valle Branch Pipeline		Storage Exchange Inflow Release	270	309	270	93	2,957	2/ 222	3/ 114	
				East Bay Regional Park Dist. Del Valle Recreation	21							
				Zone 7 Water Agency Wente #5	93							
	6	La Costa Tunnel	19.20	Zone 7 Water Agency So. Livermore Project Storage Exchange Project Water	0	154	250	1,414	4/ 14	21		
			19.21	Zone 7 - Kalthrof Detjens	154							
				ACWD - Vallecitos Project Water	250							
		Mission Tunnel	22.50	City of San Francisco San Antonio	0							
			25.97	ACWD - Bayside 1 & 2 Project Water	3,293							
		Mission Tunnel	28.97	Storage Exchange	1,428	1,000	4/ 14	1,414	4/ 14	21		
		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	1,000							
					6,961							

1/ Byron Bethany Irrigation District water transferred to Zone 7.

2/ Pool B.

3/ Dry Purchase 3.

4/ Pool A.

5/ Includes 74 AF of Dry Purchase 3 and 6,853 AF of MWD water stored in Shasta delivered to Santa Clara Valley WD in exchange for Santa Clara Valley WD Table A water.

**Table 13. Lake Del Valle**  
Daily Operation

Capacity: 77,106 ac-ft

**July 2010**

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Jun 30	702.47	39,541									
1	702.42	39,505	-36	-22	0	0	0	1	13	14	0.00
2	702.40	39,491	-14	12	0	0	11	1	14	26	0.00
3	702.36	39,463	-28	29	0	0	43	1	13	57	0.00
4	702.26	39,393	-70	-1	0	0	51	1	17	69	0.00
5	702.14	39,309	-84	-12	0	0	54	1	17	72	0.00
6	701.96	39,183	-126	14	0	0	123	1	16	140	0.00
7	701.81	39,078	-105	3	0	0	98	1	9	108	0.00
8	701.70	39,001	-77	-1	0	0	62	1	13	76	0.00
9	701.60	38,932	-69	7	0	0	62	1	13	76	0.00
10	701.50	38,862	-70	4	0	0	62	1	11	74	0.00
11	701.43	38,813	-49	1	0	0	36	1	13	50	0.00
12	701.38	38,779	-34	3	0	0	20	1	16	37	0.00
13	701.32	38,737	-42	-8	0	0	20	1	13	34	0.00
14	701.27	38,701	-36	-2	0	0	20	1	13	34	0.00
15	701.21	38,661	-40	-1	0	0	21	1	17	39	0.00
16	701.14	38,612	-49	-9	0	0	20	1	19	40	0.00
17	701.09	38,578	-34	4	0	0	21	1	16	38	0.00
18	701.03	38,536	-42	-5	0	0	20	1	16	37	0.00
19	700.98	38,501	-35	3	0	0	20	1	17	38	0.00
20	700.91	38,453	-48	-12	0	0	20	1	15	36	0.00
21	700.85	38,412	-41	-7	0	0	20	1	13	34	0.00
22	700.80	38,377	-35	-4	0	0	20	0	11	31	0.00
23	700.73	38,329	-48	-15	0	0	20	0	13	33	0.00
24	700.67	38,287	-42	-8	0	0	20	0	14	34	0.00
25	700.61	38,246	-41	-4	0	0	22	0	15	37	0.00
26	700.55	38,205	-41	-7	0	0	21	0	13	34	0.00
27	700.49	38,163	-42	-7	0	0	22	0	13	35	0.00
28	700.43	38,122	-41	-10	0	0	21	0	10	31	0.00
29	700.37	38,081	-41	-9	0	0	21	0	11	32	0.00
30	700.31	38,040	-41	-7	0	0	21	0	13	34	0.00
31	700.26	38,005	-35	-3	0	0	20	0	12	32	0.00
<b>Total</b>				<b>-1,536</b>	<b>-73</b>	<b>0</b>	<b>0</b>	<b>1,012</b>	<b>21</b>	<b>430</b>	<b>1,463</b>

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

July 2010

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/	
Jun 30	222.75	50,379										
1	221.77	47,782	-2,597	0	257	3,098	4,545	0	0	9,424	33	248
2	222.05	48,517	735	0	748	0	5,369	0	0	9,425	36	3,715
3	221.87	48,045	-472	0	991	0	5,893	0	0	9,714	23	2,615
4	222.90	50,779	2,734	0	997	0	6,369	0	0	8,447	8	2,467
5	224.18	54,212	3,433	0	999	0	5,780	0	0	7,983	17	2,952
6	222.75	50,379	-3,833	0	857	0	6,009	0	1,967	9,444	26	2,639
7	222.52	49,767	-612	0	474	0	4,875	0	0	8,884	36	3,262
8	222.13	48,730	-1,037	0	449	0	5,683	0	0	9,955	29	3,329
9	223.13	51,393	2,663	0	336	0	5,965	0	0	9,813	30	4,885
10	222.11	48,677	-2,716	0	271	0	5,854	0	0	9,981	31	2,518
11	221.59	47,309	-1,368	0	288	0	4,336	0	0	8,476	7	3,169
12	222.31	49,208	1,899	0	0	0	5,591	0	0	8,189	11	3,566
13	222.34	49,288	80	0	0	0	5,415	0	0	9,352	37	4,014
14	220.88	45,446	-3,842	0	0	0	3,510	0	0	10,144	30	4,727
15	221.20	46,285	839	0	0	0	3,393	0	0	10,533	35	7,598
16	220.55	44,583	-1,702	0	0	6,520	3,350	0	0	10,713	35	20
17	221.16	46,180	1,597	0	314	0	3,567	0	0	10,549	27	7,500
18	222.15	48,783	2,603	0	629	0	3,525	0	0	9,830	30	7,018
19	222.51	49,740	957	0	643	0	3,383	0	0	9,745	30	6,231
20	222.92	50,833	1,093	0	621	0	3,757	0	0	10,112	16	6,301
21	222.56	49,873	-960	0	615	0	4,036	0	0	10,073	10	4,948
22	222.05	48,517	-1,356	0	500	0	4,460	0	0	10,552	11	4,919
23	222.06	48,544	27	0	357	0	4,416	0	0	10,473	21	5,735
24	221.33	46,626	-1,918	0	175	0	4,320	0	0	10,198	21	4,757
25	222.15	48,783	2,157	0	748	4,463	4,863	0	0	9,066	17	96
26	222.33	49,261	478	0	526	4,722	4,561	0	0	9,563	22	17
27	223.30	51,848	2,587	0	557	4,701	5,458	0	0	9,525	21	134
28	223.71	52,947	1,099	0	442	4,464	5,408	0	0	9,869	16	125
29	224.09	53,969	1,022	0	374	0	5,538	0	0	9,348	16	3,967
30	223.91	53,484	-485	0	543	0	5,089	0	0	9,891	37	4,051
31	224.21	54,293	809	0	704	0	5,175	0	0	9,424	37	3,990
Total		3,914	0	14,415	27,968	149,493	0	1,967	298,695	756	111,513	
Mean cfs		---	0	465	902	4,822	0	63	9,635	24	3,597	
Acre-feet		3,914	0	28,590	272,755	296,523	1,251	3,901	592,465	1,499	5,162	

1/ Pump-in located at Mile 79.67R.

2/ Includes 138 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks & Rec., and 1,123 AF to San Luis Water District.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

**July 2010**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Jun 30	470.77	1,185,237							
1	470.13	1,178,472	-6,765	0	3,098	215	0	-98	
2	469.43	1,171,087	-7,385	0	3,536	253	0	66	
3	468.93	1,165,822	-5,265	0	2,360	254	0	-40	
4	468.40	1,160,248	-5,574	0	2,420	214	0	-176	
5	467.84	1,154,369	-5,879	0	2,840	234	0	110	
6	467.65	1,152,376	-1,993	1,967	2,409	225	0	-338	
7	467.04	1,145,986	-6,390	0	3,004	227	0	9	
8	466.37	1,138,981	-7,005	0	3,343	232	0	43	
9	465.49	1,129,801	-9,180	0	4,376	234	0	-18	
10	465.00	1,124,701	-5,100	0	2,626	225	0	280	
11	464.30	1,117,426	-7,275	0	3,183	201	0	-284	
12	463.50	1,109,132	-8,294	0	3,968	245	0	32	
13	462.73	1,101,168	-7,964	0	3,797	268	0	50	
14	461.81	1,091,676	-9,492	0	4,712	248	0	175	
15	460.36	1,076,772	-14,904	0	7,503	268	0	257	
16	459.04	1,063,262	-13,510	0	6,520	291	0	0	
17	457.58	1,048,385	-14,877	0	7,428	276	0	204	
18	456.10	1,033,374	-15,011	0	7,077	245	0	-246	
19	454.94	1,021,659	-11,715	0	6,111	273	0	478	
20	453.59	1,008,081	-13,578	0	6,517	284	0	-44	
21	452.57	997,863	-10,218	0	4,846	213	0	-92	
22	451.62	988,376	-9,487	0	4,798	47	0	62	
23	450.50	977,231	-11,145	0	5,299	198	0	-122	
24	449.50	967,316	-9,915	0	5,224	260	0	485	
25	448.50	957,434	-9,882	0	4,463	223	0	-296	
26	447.54	947,980	-9,454	0	4,722	255	0	211	
27	446.54	938,165	-9,815	0	4,701	253	0	6	
28	445.59	928,873	-9,292	0	4,464	260	0	39	
29	444.73	920,488	-8,385	0	4,003	266	0	42	
30	443.89	912,322	-8,166	0	4,160	276	0	319	
31	442.99	903,601	-8,721	0	4,005	142	0	-250	
Total			-281,636	1,967	137,513	7,305	0	864	
Mean cfs			---	63	4,436	236	0	28	
Acre-feet			-281,636	3,901	272,755	14,484	0	1,702	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 13,460 AF, Casa De Fruta 0 AF, and San Benito 2,335 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

**July 2010**

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	18,693	12,361	6,144	1,437	0	0	426
2	18,695	12,394	7,014	2,759	0	0	502
3	19,268	12,964	4,681	341	0	0	504
4	16,755	10,352	4,800	299	0	0	424
5	15,835	9,397	5,633	262	0	0	464
6	18,733	12,409	4,778	311	3,901	3,901	446
7	17,621	11,205	5,958	684	0	0	450
8	19,746	13,414	6,630	2,237	0	0	460
9	19,465	13,162	8,679	894	0	0	464
10	19,798	13,502	5,209	520	0	0	446
11	16,813	10,438	6,314	865	0	0	399
12	16,242	9,904	7,870	2,272	0	0	486
13	18,550	11,385	7,532	6,107	0	0	532
14	20,120	13,030	9,347	5,818	0	0	492
15	20,892	13,801	14,883	12,434	0	0	532
16	21,249	14,192	12,932	8,337	0	0	577
17	20,924	13,798	14,734	10,107	0	0	547
18	19,498	11,219	14,037	9,350	0	0	486
19	19,329	11,145	12,122	7,409	0	0	541
20	20,057	11,934	12,926	5,789	0	0	563
21	19,980	11,873	9,613	21	0	0	422
22	20,929	12,848	9,516	3,272	0	0	93
23	20,774	11,944	10,510	1,707	0	0	393
24	20,228	11,392	10,361	3,212	0	0	516
25	17,982	9,089	8,852	1,925	0	0	442
26	18,968	10,102	9,366	1,821	0	0	506
27	18,892	9,920	9,325	1,721	0	0	502
28	19,576	10,624	8,855	1,491	0	0	515
29	18,542	9,595	7,939	-384	0	0	527
30	19,618	10,642	8,251	-100	0	0	546
31	18,693	9,758	7,944	-154	0	0	281
Total	592,465	359,793	272,755	92,764	3,901	3,901	14,484

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations

July 2010

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jun 30	329.43	21,349					
1	329.40	21,334	-15	0	0	0	-15
2	329.37	21,320	-14	0	0	0	-14
3	329.36	21,315	-5	0	0	0	-5
4	329.33	21,301	-14	0	0	0	-14
5	329.31	21,291	-10	0	0	0	-10
6	329.27	21,272	-19	0	0	0	-19
7	329.25	21,262	-10	0	0	0	-10
8	329.23	21,253	-9	0	0	0	-9
9	329.21	21,243	-10	0	0	0	-10
10	329.19	21,234	-9	0	0	0	-9
11	329.16	21,219	-15	0	0	0	-15
12	329.12	21,200	-19	0	0	0	-19
13	329.11	21,196	-4	0	0	0	-4
14	329.09	21,186	-10	0	0	0	-10
15	329.07	21,177	-9	0	0	0	-9
16	329.05	21,167	-10	0	0	0	-10
17	329.02	21,153	-14	0	0	0	-14
18	328.99	21,138	-15	0	0	0	-15
19	328.95	21,119	-19	0	0	0	-19
20	328.91	21,100	-19	0	0	0	-19
21	328.87	21,081	-19	0	0	0	-19
22	328.85	21,072	-9	0	0	0	-9
23	328.84	21,067	-5	0	0	0	-5
24	328.81	21,053	-14	0	0	0	-14
25	328.78	21,038	-15	0	0	0	-15
26	328.73	21,015	-23	0	0	0	-23
27	328.71	21,005	-10	0	0	0	-10
28	328.67	20,986	-19	0	0	0	-19
29	328.65	20,977	-9	0	0	0	-9
30	328.63	20,967	-10	0	0	0	-10
31	328.61	20,958	-9	0	0	0	-9
Total			-391	0	0	0	-391
Mean cfs			---	0	0	0	---
Acre-feet			-391	0	0	0	-391

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

**July 2010**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jun 30	600.40	704					
1	Not Observed						
2	Not Observed						
3	Not Observed						
4	Not Observed						
5	Not Observed						
6	Not Observed						
7	Not Observed						
8	Not Observed						
9	Not Observed						
10	Not Observed						
11	Not Observed						
12	Not Observed						
13	Not Observed						
14	599.80	674	-30	0	0	0	-30
15	Not Observed						
16	Not Observed						
17	Not Observed						
18	Not Observed						
19	Not Observed						
20	Not Observed						
21	Not Observed						
22	599.75	671	-3	0	0	0	-3
23	Not Observed						
24	Not Observed						
25	Not Observed						
26	Not Observed						
27	Not Observed						
28	Not Observed						
29	Not Observed						
30	Not Observed						
31	599.75	671	0	0	0	0	0
Total			-33	0	0	0	-33
Mean cfs			---	0	0	0	---
Acre-feet			-33	0	0	0	-33

**Table 19. Governor Edmund G. Brown California Aqueduct**  
San Luis Field Division, Monthly Deliveries

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		296,523						
3A		San Luis Reservoir		Department of Parks and Recreation	0	12,544					
				San Felipe Division Santa Clara Water District	12,544						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	1,940						
				Reach 3A Subtotal:	14,484						
				Department of Parks and Recreation	1						
3	13	O'Neill Forebay	70.85	Cattle Program	0	147		1	0		
				Department of Fish & Game	147						
			70.91 Thru 85.08	San Luis Water District	1,351		1,351				
				(Floodwater Inflow)	0						
				Reach 3 Subtotal:	1,499						
			Dos Amigos Pumping Plant	86.73	592,465	592,465	1,351	0	82 66		
			89.03 Thru 94.06	San Luis Water District	9,628						
			89.66 Thru 89.67	Pacheco Water District	1,745						
			89.68	Panoche Water District	64						
4	14		89.70 Check No. 14	City of Dos Palos	190						
			95.06								
			98.15 Thru 104.20	San Luis Water District	3,089	3,089	1,745	0	8,152		
			96.15 Thru 102.64	Panoche Water District	8,152						
			102.64 (Floodwater Inflow)	0							
			102.64 Thru	Broadview Water District	0						
			105.22 Thru 108.64	Westlands Water District	19,524						
			Check No.15	108.50							
				Reach 4 Subtotal:	42,392	42,392	1,745	0	0		
				San Felipe Division Total:	14,484						
				Pacheco Water District Total:	1,745						
				Broadview Water District Total:	0						
				City of Dos Palos Total:	190						
				SLWD Reach 4 Subtotal:	12,717						
				Panoche Water District Total:	8,216						
				SLWD Total:	14,068						
				Westlands WD Reach 4 Subtotal:	19,524						

1/ Includes 5,575 AF from Pixley to Westlands WD and 5,575 AF from Lower Tule to Westlands WD.

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries (Continued)

**July 2010**

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
		Beginning and Ending				USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		(Reverse flow, Kings River)	0	23,467	23,467	1	0					
			110.52	Westlands Water District	23,467								
			Thru	Dept. of Fish and Game @ Lat. 4L	1								
			122.05	Dept. of Fish and Game @ Lat. 6L	0								
				Dept. of Fish and Game @ Lat. 7L	0								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	16,492	16,492							
			Thru										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	17,692	17,692							
			Thru										
			142.61										
			Pleasant Valley Pumping Plant	Westlands Water District	17,217	17,217							
				City of Coalinga	756	756							
		Check No. 18	143.23										
				Reach 5 Subtotal:	75,625	75,624	0	1	0				
6	19		145.26	GWF Energy	0	4	1/ 379						
				City of Huron	4								
				DWR Water Truck @22R	0								
				Kings County to Lemoore NAS Through WWD	379								
				Kings County through WWD 30L	0								
				Westlands Water District	35,858								
			Check No. 19	155.64									
				Reach 6 Subtotal:	36,241	35,862	379	0	0				
7	20		156.34	City of Huron	133	133	2/ 600						
			156.40	SWP Construction @ Lat. 24R	0								
			Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0								
			163.69	Westlands Water District	16,737								
		Check No. 20	164.69										
	21		164.79	City of Avenal	259	259	5,163						
			167.04	Westlands Water District	5,163								
			Thru										
			171.67										
		Check No. 21	172.40		412,619								
				Reach 7 Total:	22,292	21,692	600	0	0				
				SWP Construction Total:	0	0	0	0	0				
				Westlands WD Total:	152,150	140,400	11,750	0	0				
				City of Coalinga Total:	756	756	0	0	0				
				City of Huron Total:	137	137	0	0	0				
				Kings County to Lemoore NAS Through WWD	379	0	379	0	0				
				City of Avenal Total:	259	259	0	0	0				
				Total San Luis Field Division Deliveries:	192,533	180,255	12,129	83	66				

1/ From County of Kings to Westlands Water District.

2/ Same land owner transfer (Westlake Farms) from Tulare Lake Basin WSD to Westlands Water District.

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations  
July 2010

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Jun 30	27,911								
1	28,553	642	0	9,424	263	155	2,633	5,744	-305
2	28,440	-113	0	9,425	263	155	2,633	6,032	-399
3	29,071	631	0	9,714	263	155	2,633	6,231	-113
4	28,982	-89	0	8,447	263	155	2,633	6,043	602
5	28,544	-438	0	7,983	263	155	2,633	5,500	347
6	28,883	339	0	9,444	263	155	2,633	6,154	-68
7	28,195	-688	0	8,884	263	155	2,633	6,051	-129
8	29,197	1,002	0	9,955	230	132	2,633	6,264	-191
9	29,088	-109	0	9,813	230	132	2,633	6,768	-105
10	28,831	-257	0	9,981	230	132	2,633	7,181	66
11	28,979	148	0	8,476	230	132	2,633	5,845	439
12	27,831	-1,148	0	8,189	230	132	2,633	6,029	256
13	28,395	564	0	9,352	230	132	2,633	5,887	-186
14	28,554	159	0	10,144	230	132	2,483	6,813	-406
15	28,831	277	0	10,533	235	135	2,399	7,119	-505
16	28,902	71	0	10,713	235	135	2,399	7,493	-415
17	29,348	446	0	10,549	235	135	2,399	7,271	-284
18	29,591	243	0	9,830	235	135	2,399	7,234	295
19	29,678	87	0	9,745	235	135	2,399	6,942	10
20	29,316	-362	0	10,112	235	135	2,399	7,325	-201
21	28,620	-696	0	10,073	235	135	2,399	7,395	-260
22	29,159	539	0	10,552	235	134	2,399	7,196	-316
23	29,577	418	0	10,473	235	134	2,399	7,284	-211
24	29,721	144	0	10,198	235	134	2,399	7,388	31
25	29,237	-484	0	9,066	235	114	2,399	7,047	485
26	29,672	435	0	9,563	235	112	2,399	6,791	193
27	29,567	-105	0	9,525	235	112	2,399	6,785	-46
28	27,311	-2,256	0	9,869	227	112	2,399	7,250	-1,018
29	28,946	1,635	0	9,348	218	112	2,399	6,897	1,103
30	29,558	612	0	9,891	218	112	2,399	7,129	276
31	29,665	107	0	9,424	218	112	2,384	6,937	281
Total		1,754	0	298,695	7,387	4,142	77,480	208,026	-774
Mean cfs		---	0	9,635	238	134	2,499	6,711	-25
Acre-feet		1,754	0	592,465	14,652	8,216	153,682	412,619	-1,542

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 1,745 AF to Pacheco W.D., 190 AF to the City of Dos Palos and 12,717 AF to San Luis Water District.

3/ Includes 133 AF to the City of Huron, 259 AF to the City of Avenal, 756 AF to the City of Coalinga, 4 AF to City of Huron P&R @ 22R, 379 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 4L, 1 AF to DFG @ 4L, 0 AF to Pilibos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF DFG @ 7L, 0 AF Non-Project Water, 134,933 AF to Westlands Water District, and 17,217 AF to Pleasant Valley Pumping Plant.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

July 2010

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	624	588	80	74	81	6,441	5,610	5,610	4,813
2	736	716	94	85	95	6,336	5,828	5,828	5,283
3	757	678	90	81	91	6,830	6,523	6,523	6,116
4	721	623	85	79	88	6,637	6,313	6,313	6,038
5	592	479	66	60	66	6,152	5,760	5,760	5,450
6	671	581	93	85	95	6,450	5,986	5,986	5,290
7	690	624	73	68	75	6,654	5,782	5,782	5,283
8	703	669	95	87	97	6,992	5,843	5,843	5,656
9	668	645	97	88	97	6,789	6,058	6,058	5,487
10	689	655	94	87	98	6,971	6,275	6,275	5,791
11	685	665	123	113	122	5,834	5,412	5,412	5,151
12	558	518	100	90	102	5,889	5,219	5,219	4,824
13	707	647	124	116	124	5,610	5,045	5,045	4,499
14	709	645	117	106	119	5,660	4,543	4,543	4,120
15	754	673	123	112	123	6,902	6,143	6,143	5,619
16	755	667	28	20	28	6,936	6,097	6,097	5,557
17	802	702	119	110	120	7,349	6,638	6,638	6,148
18	788	692	137	117	137	7,036	6,529	6,529	6,097
19	670	640	115	105	118	6,933	6,365	6,365	5,933
20	720	687	113	104	113	7,008	6,452	6,452	5,903
21	747	693	119	110	120	6,933	3,192	5,775	5,299
22	702	622	110	100	110	6,933	6,092	6,092	5,570
23	696	628	121	110	121	6,933	6,138	6,138	5,570
24	665	555	112	103	115	6,983	6,186	6,186	5,681
25	720	572	116	104	115	7,085	6,941	6,941	6,763
26	662	589	106	98	108	7,003	6,605	6,605	6,086
27	648	551	110	102	109	7,111	6,371	6,371	5,783
28	676	552	112	102	114	7,031	6,433	6,433	5,780
29	722	616	100	89	101	7,091	6,265	6,265	5,699
30	707	667	129	120	127	6,755	6,330	6,330	5,756
31	610	508	122	103	123	7,036	6,433	6,433	5,971
Total	21,555	19,347	3,223	2,928	3,252	208,303	185,406	187,989	173,014

**Table 22. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Carryover Article 56C	Pool A / Pool B			
	No.	Structure	Mile							Other		
7	21	Check No. 21	172.40		412,619							
8C	22		172.66	Empire West Side ID TL - A	0	36	423	1/ 12 3/ 82	2/ 3			
				County of Kings TL - A	15							
				Tulare Lake Basin WSD TL-A	541							
				175.18 Dudley Ridge WD - 1	389							
				177.54 Dudley Ridge WD - 1B	269							
				180.64 Tulare Lake Basin WSD - C	0							
				180.65 Dudley Ridge WD - 1A	1,262							
				182.99 Dudley Ridge WD - 2	2,624							
				183.00 Tulare Lake Basin WSD TL - B	1,992							
				County of Kings TL-B	0							
8D				184.00 Dudley Ridge WD - Paramount	0							
				184.63 Coastal Branch	21,555	1,913	398	6/ 156	7/ 893			
31A	8D			184.78 Dudley Ridge WD - 3	3,360							
Dudley Ridge Reach 8D Total:				7,904	1,913	0	2,396	156	3,439			
Tulare Lake Basin WSD Total:				2,533	1,770	0	423	275	65			
Check No. 22				184.82								
9	23			189.69 Kern County Water Agency Lost Hills Water Dist. - 1	10,782	2,431			8/ 8,351			
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,942							
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	1,092							
				196.40 Kern County Water Agency Berrenda Mesa - 2	944							
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	2,216							
				KCWA Reach 9 Subtotal:	16,976		8,625	0	0	8,351		
				Check No. 23	197.05							
10A	24			201.24 Kern County Water Agency Lost Hills Water Dist. - 7	1,487	1,487						
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	1,490							
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0							
				205.26 Kern County Water Agency Lost Hills Water Dist. - 8	3							
				Check No. 24	207.94							
	25			209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	3,652	3,652						
				209.78 Kern National Wildlife Refuge USBR BV-1B	0							
				Kern County Water Agency Buena Vista WSD 1B	1,142							
				209.80 KCWA Semitropic WSD	59,091					10/ 39,797 10/ 13,493		
				KCWA Semitropic WSD Penstocks	13,493							
				USBR Total:	0	0	0	0	0	0		
				KCWA Reach 10A Subtotal:	61,068	7,778	19,290	-19,290	0	53,290		

1/ Includes 1 AF of Pool A and 11 AF of Pool B.

2/ Yuba Water - C3.

3/ Includes 12 AF of Pool A and 70 AF of Pool B.

4/ Kern Water Bank Recovery.

5/ Includes 18 AF of Pool A and 175 AF of Pool B.

6/ Includes 17 AF of Pool A and 139 AF of Pool B.

7/ Includes 200 AF of Dry Year Water, 37 AF of Yuba Water C3, 345 AF of Yuba Water C4, and 311 AF of Kern Water Bank Recovery.

8/ Includes 2,606 AF of Dry Year Water, 313 AF of Yuba Water C3, and 5,432 AF of Yuba Water C4.

9/ Santa Clara CVP water delivered to Semitropic WSD.

10/ Water moved to Semitropic WSD for banking.

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Carryover Article 56C	Pool A / Pool B			
	No.	Structure	Mile							Other		
11B	25		210.75	Kern County Water Agency Belridge - 2	0	832	18,095	122				
			214.11	Kern County Water Agency Belridge - 3	832							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	18,095							
				Kern County Water Agency Belridge - 5D	122							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	19,049	19,049	0	0	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	402	402					
				Kern County Water Agency West Kern - 3	402							
		Check No. 26	224.92									
	27		230.37	Kern County Water Agency Buena Vista - 6	6,438	48	962	2,507	2/ 6,390 3/ 4,319 4/ 30,796			
12E	28		231.73									
			235.75	Kern County Water Agency Buena Vista - 2	5,281							
				Kern County WA CVC	33,303							
				DRWD CVC	0							
				Tulare Co.	0							
			238.04	Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
		Check No. 28	238.11	DWR Wells	0							
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	45,022	3,517	0	0	0	41,505		
13B	29		238.19	Kern Water Bank Inflow	0	2,137	5,318		5/ 13,000 6/ 1,334 6/ 4,505			
				Kern Water Bank Outflow	2,137							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	18,318							
			243.09	KCWA Buena Vista WSD - 5	1,334							
				Kern County Water Agency Buena Vista - 3	4,505							
		Check No. 29	244.54									
			249.85	Kern County Water Agency Buena Vista - 4	1,455	7,455	0	0	0	20,294		
14A	31		250.99		208,303							
				KCWA Reach 13B Subtotal:	27,749							
		254.47	Kern County Water Agency West Kern - 2	0	526							
		256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	526								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Includes 5,000 AF of Zone 7 Table A to Cawelo WD for banking, 40 AF from MWD to Arvin Edison for banking, and 1,350 AF of CVC Entitlement from County of Fresno to Arvin Edison WSD.

3/ Includes 4,000 AF of Zone 7 Table A to Cawelo WD for banking, 319 AF from Castaic to Rosedale-Rio Bravo for banking.

4/ Includes 5,216 AF from Castaic to Rosedale-Rio Bravo for banking, 2,221 AF from MWD to Kern-Delta for banking, 12,922 AF from MWD to Arvin Edison for banking and 6,542 AF of CVC Entitlement from USBR to Kern-Tulare, 1,506 AF of CVC Entitlement from Hills Valley to Arvin Edison, and 2,389 AF of CVC Entitlement from County of Tulare to Arvin Edison WSD.

5/ From MWD to Kern-Delta for banking.

6/ Tulare Lake Basin WSD same landowner transfer - JG Boswell.

**Table 22. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.	Structure	Mile	Table A	USBR	Carryover Article 56C	Pool A / Pool B	Other
	No.	Structure								
14A	31	Check No. 31	256.14			1,058	2,466			
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	1,058					
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	2,466					
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	4,050	4,050	0	0	0	0
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	6,551	1,125	3,465			
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	1,125					
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	3,465					
		Check No. 34	271.27							
				Reach 14B Total:	11,141	11,141	0	0	0	0
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	3,496	1,350	6,155			1/ 4,745
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	1,309					
			277.30	Kern County Water Agency Arvin-Edison WSD	6,095					
				Reach 14C Total:	10,900					
	Teerink Pumping Plant	278.13			185,406					
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	1,084	5,144	6,228			
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	5,144					
				Reach 15A Total:	6,228					
	Chrismen Pumping Plant	280.36			187,989					
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	42	106	237		
		Check No. 37	283.95							
16A	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	42	106	1,687			
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	106					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
		Check No. 38	287.09							
			287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	237					
	39	Check No. 39	290.21							
		40	291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,687	638	1,227			
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	638					
				Kern County Water Agency Tehachapi Cummings CWD	1,227					
				KCWA Reach 16A Subtotal:	3,937					
17E	Edmonston Pumping Plant	293.45			173,014					

1/ From MWD to Arvin Edison WSD for Banking.

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

July 2010

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Carryover Article 56C	Pool A / Pool B	Other		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		21,555							
		Las Perillas Pumping Plant	1.16		21,555							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		19,347							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
			13.30	Kern County Water Agency Berrenda Mesa - 3	1,500		1,500	12,889	1/ 2,667			
	C-6		14.83	Kern County Water Agency Berrenda Mesa - 1	15,556							
				Kern County Water Agency Berrenda Mesa - PO	0							
		Devil's Den Pumping Plant	14.86		3,223							
				KCWA Reach 31A Subtotal:	17,056	14,389	0	0	0	2,667		
				KCWA Total:	223,578	92,726	19,290	-19,290	0	130,852		
33A	C-7	Bluestone Pumping Plant	19.05		2,928		43	2,635	2/ 140			
	C-8	Polonio Pass Pumping Plant	26.54		3,252							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	2,818							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	465		465					
		Energy Dissipater	78.12									
	34	Lopez T.O.	85.86	SLOCFC & WCD	0							
				CCWA Total:	3,283							
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0							
38				SBCFC & WCD Total:	0		0	0	0	0		
		Tank Site 5	115.42									

1/ Dudley Ridge WD Table A water delivered to Kern County WA for banking. Same land owner transfer - Sandridge.

2/ Includes 15 AF of Pool A and 125 AF of Pool B.

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

July 2010

Date	West Branch						East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume						
1	995	1,269	0	0	4,473	2,389	2,781	0	950	3,575	3,228	0	0	3,300	73	73	34
2	1,348	1,023	0	0	7,387	3,075	2,781	0	702	3,539	3,564	0	0	3,635	83	83	35
3	1,507	1,129	0	0	297	3,296	2,808	0	1,262	3,754	3,604	0	0	3,543	79	79	34
4	1,619	1,336	0	0	157	3,148	2,826	0	1,289	3,898	3,566	0	0	3,444	78	78	34
5	1,211	1,342	0	0	439	0	2,915	0	967	3,898	3,897	0	0	3,435	78	78	34
6	1,270	1,345	0	0	3,612	60	2,760	0	1,025	3,898	3,705	0	0	3,472	78	77	33
7	1,305	1,453	0	0	1,834	2,281	2,882	0	964	3,639	3,699	0	0	3,480	79	78	33
8	1,254	1,444	0	0	3,220	0	2,656	0	1,066	3,758	3,479	0	0	3,503	83	82	34
9	1,142	1,519	0	0	3,458	1,240	2,803	0	1,084	3,733	3,569	0	0	3,466	83	83	35
10	1,764	1,328	0	0	141	0	2,642	0	1,058	3,650	3,469	0	0	3,428	79	79	35
11	1,434	1,329	0	0	159	0	2,650	0	777	3,176	3,010	0	0	2,902	78	78	35
12	1,159	1,330	0	0	3,499	822	2,970	0	777	3,281	3,362	0	0	2,816	78	78	34
13	954	1,335	0	0	3,941	2,160	2,827	0	413	3,217	2,767	0	0	2,994	78	78	34
14	1,051	1,332	0	0	2,293	1,837	2,470	0	454	2,584	2,814	0	0	2,886	82	82	34
15	2,311	2,465	0	0	5,230	0	2,957	0	232	2,821	2,700	0	0	2,876	82	83	34
16	2,698	2,224	0	0	2,474	0	2,721	0	281	2,852	2,486	0	0	2,674	84	83	34
17	2,797	2,638	0	0	1,287	957	2,812	0	298	2,530	2,493	0	0	3,072	82	80	33
18	2,444	1,861	0	0	1,114	0	3,054	0	571	3,342	2,887	0	0	3,301	82	78	33
19	1,769	1,675	0	0	3,093	1,292	2,868	0	785	3,506	3,424	0	0	3,379	86	81	33
20	1,635	1,627	0	0	3,300	1,203	2,803	0	867	3,351	3,316	0	0	3,477	86	82	33
21	2,270	1,630	0	0	4,553	2,021	3,074	0	760	3,829	3,435	0	0	3,604	85	83	33
22	1,157	1,363	0	0	5,290	2,855	2,744	0	959	3,740	3,556	0	0	3,447	85	82	33
23	1,490	1,391	0	0	4,107	1,465	2,717	0	843	3,756	3,580	0	0	3,371	85	82	32
24	1,303	1,391	0	0	1,631	2,386	2,768	0	971	3,556	3,585	0	0	3,313	81	79	32
25	2,232	1,380	0	0	1,960	2,514	2,940	0	1,190	3,898	3,542	0	0	3,249	81	77	32
26	1,660	1,381	0	0	3,713	1,357	2,995	0	1,023	3,898	3,617	0	0	3,530	85	81	32
27	1,788	1,369	0	0	3,882	1,721	1,659	0	806	3,741	3,681	0	0	3,353	78	74	32
28	1,421	1,326	0	0	3,219	2,052	2,851	0	811	3,718	3,679	0	0	3,550	86	82	32
29	1,398	1,367	0	0	3,354	2,002	3,035	0	1,050	3,626	3,292	0	0	3,566	85	82	33
30	1,468	1,446	0	0	4,807	1,357	3,090	0	917	3,898	3,665	0	0	3,291	85	82	33
31	1,912	1,483	0	0	327	1,924	3,023	0	893	3,898	3,661	0	0	3,373	82	79	32
Total	49,766	46,531	0	0	88,251	45,414	86,882	0	26,045	109,560	104,332	0	0	102,730	2,529	2,476	1,034

1/ Values supplied by LADWP, not verified by DWR.

**Table 25. Pyramid Lake**  
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		To Piru Creek				
				Castaic Powerplant Pumpback 1/	Warne Power-plant		Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.	
Jun 30	2573.62	164,308											
1	2572.87	163,363	-945	2,389	1,269	0	11	4,473	0	14	0	-127	
2	2570.01	159,790	-3,573	3,075	1,023	0	11	7,387	0	13	0	-282	
3	2573.32	163,929	4,139	3,296	1,129	0	11	297	0	12	0	12	
4	2576.73	168,267	4,338	3,148	1,336	0	11	157	0	12	0	12	
5	2577.37	169,089	822	0	1,342	0	11	439	1	12	0	-79	
6	2575.60	166,821	-2,268	60	1,345	0	11	3,612	0	11	0	-61	
7	2577.02	168,639	1,818	2,281	1,453	0	10	1,834	0	11	0	-81	
8	2575.60	166,821	-1,818	0	1,444	0	9	3,220	0	11	0	-40	
9	2574.95	165,993	-828	1,240	1,519	0	8	3,458	0	11	0	-126	
10	2575.89	167,191	1,198	0	1,328	0	8	141	0	11	0	14	
11	2576.78	168,331	1,140	0	1,329	0	8	159	0	11	0	-27	
12	2575.63	166,859	-1,472	822	1,330	0	8	3,499	0	11	0	-122	
13	2575.22	166,337	-522	2,160	1,335	0	7	3,941	1	11	0	-71	
14	2575.86	167,153	816	1,837	1,332	0	6	2,293	0	11	0	-55	
15	2573.54	164,207	-2,946	0	2,465	0	6	5,230	0	11	0	-176	
16	2573.48	164,131	-76	0	2,224	0	6	2,474	0	11	0	179	
17	2575.33	166,477	2,346	957	2,638	0	6	1,287	0	8	0	40	
18	2576.38	167,818	1,341	0	1,861	0	6	1,114	0	8	0	596	
19	2576.27	167,677	-141	1,292	1,675	0	5	3,093	0	8	0	-12	
20	2575.39	166,553	-1,124	1,203	1,627	0	5	3,300	0	8	0	-651	
21	2575.14	166,235	-318	2,021	1,630	0	5	4,553	1	8	0	588	
22	2574.10	164,915	-1,320	2,855	1,363	0	4	5,290	0	8	0	-244	
23	2573.04	163,577	-1,338	1,465	1,391	0	4	4,107	0	8	0	-83	
24	2574.80	165,803	2,226	2,386	1,391	0	4	1,631	0	8	0	84	
25	2576.37	167,805	2,002	2,514	1,380	0	4	1,960	0	8	0	72	
26	2575.55	166,757	-1,048	1,357	1,381	0	4	3,713	0	8	0	-69	
27	2574.90	165,930	-827	1,721	1,369	0	4	3,882	1	8	0	-30	
28	2574.99	166,044	114	2,052	1,326	0	4	3,219	0	8	0	-41	
29	2574.93	165,968	-76	2,002	1,367	0	4	3,354	0	8	0	-87	
30	2573.31	163,917	-2,051	1,357	1,446	0	4	4,807	0	8	0	-43	
31	2575.76	167,025	3,108	1,924	1,483	0	4	327	0	7	0	31	
Total				2,717	45,414	46,531	0	209	88,251	4	303	0	-879

1/ Values supplied by LADWP, not verified by DWR.

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jun 30	1517.47	22,175								
1	1516.65	21,835	-340	4,473	0	2,389	0	2,794	370	
2	1521.89	24,052	2,217	7,387	0	3,075	0	2,068	-27	
3	1515.07	21,189	-2,863	297	0	3,296	0	0	136	
4	1507.07	18,074	-3,115	157	0	3,148	0	0	-124	
5	1508.24	18,513	439	439	0	0	0	0	0	
6	1514.56	20,982	2,469	3,612	0	60	0	1,104	21	
7	1506.43	17,836	-3,146	1,834	0	2,281	0	2,693	-6	
8	1508.76	18,710	874	3,220	0	0	0	2,318	-28	
9	1509.39	18,950	240	3,458	0	1,240	0	1,979	1	
10	1509.72	19,077	127	141	0	0	0	0	-14	
11	1510.18	19,254	177	159	0	0	0	0	18	
12	1517.12	22,030	2,776	3,499	0	822	0	0	99	
13	1511.89	19,919	-2,111	3,941	0	2,160	0	3,875	-17	
14	1507.30	18,160	-1,759	2,293	0	1,837	0	2,166	-49	
15	1509.58	19,023	863	5,230	0	0	0	4,368	1	
16	1507.51	18,239	-784	2,474	0	0	0	3,258	0	
17	1508.52	18,619	380	1,287	0	957	0	0	50	
18	1511.31	19,692	1,073	1,114	0	0	0	0	-41	
19	1515.76	21,470	1,778	3,093	0	1,292	0	0	-23	
20	1519.48	23,019	1,549	3,300	0	1,203	0	547	-1	
21	1515.26	21,266	-1,753	4,553	0	2,021	0	4,285	0	
22	1513.15	20,417	-849	5,290	0	2,855	0	3,284	0	
23	1513.69	20,632	215	4,107	0	1,465	0	2,428	1	
24	1511.95	19,942	-690	1,631	0	2,386	0	0	65	
25	1510.49	19,373	-569	1,960	0	2,514	0	0	-15	
26	1516.11	21,613	2,240	3,713	0	1,357	0	0	-116	
27	1516.94	21,955	342	3,882	0	1,721	0	1,818	-1	
28	1513.00	20,357	-1,598	3,219	0	2,052	0	2,717	-48	
29	1511.58	19,797	-560	3,354	0	2,002	0	1,960	48	
30	1513.52	20,564	767	4,807	0	1,357	0	2,703	20	
31	1509.41	18,958	-1,606	327	0	1,924	0	0	-9	
Total				-3,217	88,251	0	45,414	0	46,365	
									311	

1/ Values supplied by LADWP, not verified by DWR.

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Jun 30	1479.50	249,928							
1	1480.29	251,454	1,526	0	2,794	1	936	0 -333	
2	1480.94	252,714	1,260	0	2,068	1	949	0 140	
3	1479.39	249,705	-3,009	0	0	1	932	0 -2,078	
4	1479.34	249,614	-91	0	0	1	933	0 841	
5	1479.32	249,565	-49	0	0	1	762	0 712	
6	1479.61	250,140	575	0	1,104	1	756	0 226	
7	1480.57	251,997	1,857	0	2,693	1	754	0 -83	
8	1481.33	253,472	1,475	0	2,318	1	810	0 -34	
9	1481.94	254,659	1,187	0	1,979	1	848	0 55	
10	1481.46	253,724	-935	0	0	1	876	7 -53	
11	1481.02	252,870	-854	0	0	1	866	8 19	
12	1480.38	251,629	-1,241	0	0	1	1,149	10 -83	
13	1481.69	254,172	2,543	0	3,875	1	1,362	10 39	
14	1482.13	255,029	857	0	2,166	1	1,076	10 -224	
15	1483.53	257,768	2,739	0	4,368	0	1,699	10 80	
16	1484.26	259,202	1,434	0	3,258	0	1,757	10 -57	
17	1483.38	257,474	-1,728	0	0	0	1,716	10 -2	
18	1482.61	255,966	-1,508	0	0	0	1,522	10 24	
19	1481.82	254,425	-1,541	0	0	0	1,542	10 11	
20	1481.25	253,316	-1,109	0	547	0	1,598	10 -48	
21	1482.57	255,888	2,572	0	4,285	0	1,309	10 -394	
22	1483.45	257,611	1,723	0	3,284	0	1,682	10 131	
23	1483.86	258,416	805	0	2,428	0	1,671	10 58	
24	1483.09	256,905	-1,511	0	0	0	1,650	10 149	
25	1482.30	255,361	-1,544	0	0	0	1,592	10 58	
26	1481.46	253,724	-1,637	0	0	0	1,638	10 11	
27	1481.61	254,016	292	0	1,818	0	1,681	10 165	
28	1482.30	255,361	1,345	0	2,717	0	1,380	10 18	
29	1482.42	255,589	228	0	1,960	0	1,618	10 -104	
30	1483.06	256,847	1,258	0	2,703	0	1,474	10 39	
31	1482.38	255,517	-1,330	0	0	0	1,461	10 141	
Total				5,589	0	46,365	14	39,999 215 -576	

1/ Values supplied by LADWP, not verified by DWR.

**Table 28. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Pool A	Local	Article 56C	Other	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		49,766							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved		4					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	46,531							
29H	W3	Pyramid Lake		USFS			30	4/ 32	0	1,846	4/ 276	
				Pyramid Recreation (T300)	4							
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0							
29J	W4	Castaic Power Plant	25.82	(45,414 AF pumpback ) 2/	88,251		950	155	3/ 35,371	1,339		
		Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		California State Park			1,105	30	3/ 35,371	1,339		
		Castaic Dam	31.47	Castaic Lake Recreation (T301)	30							
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	35,371							
				Castaic Lake WA 18", 24" & 54" (T303)	2,154							
				Castaic Lake WA Rio Vista T.P. (T304)	2,289							
				MWD-Ventura Co. WPD (T302)	155							
				Releases to Lagoon	215							
				Reach 30 Subtotal:	39,999							
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0							
		Castaic Lagoon Outlet	31.87		186							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

3/ Includes 19,804 Af of a 2010 Water Transfer, 609 AF of Dry Purchase - C3, and 14,958 AF of Dry Purchase - C4.

4/ Recovery of Castaic banked water in San Luis.

**Table 29. Silverwood Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project			Del. To Mojave W.A.	Natural To Mojave River			
Jun 30	3350.02	70,195												
1	3349.94	70,120	-75	3,228	0	8	4	0	3,300	0	26	19	36	
2	3349.83	70,016	-104	3,564	0	7	4	0	3,635	0	26	-10	36	
3	3350.29	70,446	430	3,604	0	6	4	1	3,543	0	26	394	36	
4	3350.25	70,408	-38	3,566	0	6	4	0	3,444	0	26	-136	36	
5	3350.21	70,366	-42	3,897	0	6	4	0	3,435	0	26	-480	36	
6	3350.50	70,648	282	3,705	0	5	4	1	3,472	0	26	75	36	
7	3350.81	70,941	293	3,699	0	4	4	0	3,480	0	26	100	36	
8	3350.64	70,780	-161	3,479	0	3	4	0	3,503	0	26	-110	37	
9	3350.70	70,837	57	3,569	0	3	4	0	3,466	0	26	-19	37	
10	3350.84	70,970	133	3,469	0	3	4	1	3,428	0	26	120	37	
11	3350.89	71,017	47	3,010	0	3	4	0	2,902	0	25	-35	37	
12	3351.40	71,501	484	3,362	0	3	4	0	2,816	0	25	-36	37	
13	3351.15	71,264	-237	2,767	0	3	4	0	2,994	0	25	17	37	
14	3351.01	71,131	-133	2,814	0	3	5	1	2,886	0	23	-35	37	
15	3350.70	70,837	-294	2,700	0	3	4	0	2,876	0	24	-93	37	
16	3350.61	70,752	-85	2,486	0	3	5	0	2,674	0	23	128	37	
17	3349.91	70,092	-660	2,493	0	3	4	0	3,072	0	25	-56	37	
18	3349.38	69,594	-498	2,887	0	3	5	1	3,301	0	25	-56	37	
19	3349.58	69,782	188	3,424	0	2	4	0	3,379	0	25	170	37	
20	3349.24	69,463	-319	3,316	0	2	4	0	3,477	0	25	-131	37	
21	3349.07	69,304	-159	3,435	0	2	4	1	3,604	0	25	38	36	
22	3349.18	69,407	103	3,556	0	2	4	0	3,447	0	25	21	36	
23	3349.24	69,463	56	3,580	0	2	4	0	3,371	0	25	-126	36	
24	3349.60	69,800	337	3,585	0	1	3	1	3,313	0	25	93	36	
25	3349.94	70,120	320	3,542	0	1	4	0	3,249	0	25	55	36	
26	3349.77	69,960	-160	3,617	0	1	4	0	3,530	0	25	-219	36	
27	3350.25	70,412	452	3,681	0	1	4	1	3,353	0	25	153	36	
28	3350.25	70,412	0	3,679	0	1	4	0	3,550	0	25	-101	36	
29	3349.91	70,092	-320	3,292	0	1	4	0	3,566	0	25	-18	36	
30	3350.28	70,440	348	3,665	0	1	4	0	3,291	0	25	2	36	
31	3350.61	70,752	312	3,661	0	0	4	1	3,373	0	25	54	36	
Total				557	104,332	0	92	126	9	102,730	0	779	-223	1,129

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

**Table 30. Lake Perris**

Daily Operation  
(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**July 2010**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jun 30	1556.70	63,053				
1	1556.65	62,965	-88		34	
2	1556.65	62,965	0		34	
3	1556.51	62,717	-248		35	
4	1556.51	62,712	-5		34	
5	1556.51	62,708	-4		35	
6	1556.51	62,722	14		35	
7	1556.65	62,965	243		35	
8	1556.65	62,965	0		35	
9	1556.62	62,913	-52		35	
10	1556.65	62,965	52		101	
11	1556.65	62,965	0		37	
12	1556.70	63,053	88		19	
13	1556.70	63,053	0		5	
14	1556.68	63,018	-35		5	
15	1556.76	63,157	139		5	
16	1556.65	62,965	-192		4	
17	1556.51	62,722	-243		6	
18	1556.51	62,722	0		35	
19	1556.65	62,965	243		35	
20	1556.62	62,913	-52		35	
21	1556.57	62,826	-87		34	
22	1556.59	62,861	35		55	
23	1556.62	62,913	52		55	
24	1556.65	62,965	52		54	
25	1556.59	62,861	-104		55	
26	1556.57	62,826	-35		56	
27	1556.51	62,722	-104		55	
28	1556.54	62,774	52		34	
29	1556.48	62,664	-110		55	
30	1556.46	62,635	-29		34	
31	1556.46	62,635	0		35	
<b>Total</b>			<b>-418</b>	<b>2,703</b>	<b>1,121</b>	<b>-2,000</b>

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

**July 2010**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Rec.	Pool A	Local	Article 56C	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45		173,014						
	41		298.65	KCWA Tej.-Cas	Stub						
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
	43	Alamo Powerplant	305.73	(Includes 86,882 AF generation, 0 AF plant bypass, and 26,045 AF Tehachapi Bypass)	112,927						
			306.71	AVEK 305th Street West (T287)	0						
			308.05	AVEK 294th Street West (T267)	0						
19	44		309.70								
			311.84	LADWP Connection	0						
			313.50	AVEK 245th Street West (T269)	0						
	45	Check No. 44	314.81								
			314.93	AVEK 235th Street West (T270)	0						
			315.57	AVEK 225th Street West (T271)	0						
	46	Check No. 45	319.74								
			323.19	Antelope Valley-East Kern WA Fairmont (T272)	1,283		199	48	750	1/ 286	
				Mojave Water Agency Fairmont (T272)	190						
	47	Check No. 46	323.84		Reach 19 Total:	1,473	389	0	48	0	750
20A		Check No. 47	326.77								
48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	124						124	
		329.65	Antelope Valley-East Kern WA 120th Street West	Removed						112	
	Check No. 48	330.82								1,794	
49	Check No. 49	335.93								112	
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	5,943						1,794
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	112						112
			340.92	AVEK WA-Temp (T387)	0						103
	51	Check No. 50	341.51								251
			342.06	AVEK WA-Temp (T386)	0						395
	52	Check No. 51	342.07								
			342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
21	53	Check No. 52	343.74								
			346.98	Palmdale WD (T276) Temp.	1,794						
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	112						
	54	Check No. 53	348.17								
			349.52	Palmdale WD (T394)	0						
	55	Check No. 54	350.25								
22A	55	Check No. 55	352.70								
	56	Check No. 56	354.76								
	57		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
			354.97	Palmdale WD (T276)	0						
			354.97	Palmdale WD (T391)	0						
22A	58	Check No. 57	356.93								
			357.60	AVEK 95th Street East (T279)	103						
	58		357.72	AVEK 96th Street East (T280)	251						
			359.76	AVEK East Side Treatment Plant (T281)	395						

1/ 2010 Water Transfer.

**Table 31. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

July 2010

Reach No.	Operating Pool		Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending				Table A	Rec.	Pool A	Local	Article 56C	Other	
	No.	Structure	Mile								
22B	58	Pearblossom Pumping Plant	360.61		109,560	49	4,987	126	1/ 1,129	2/ 5,463	
	59	Check No. 59	366.09								
	60		366.50	AVEK Big Rock Siphon (T368)	0						
	61	Check No. 60	373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63	Check No. 63	389.20	Mojave Water Agency White Road 24" & 42" (T282)	49						
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	4,987						
23		Check No. 66	403.41								
		Mojave Siphon	405.58	Las Flores Ranch Exchange	1,129						
24		Mojave Siphon Powerplant	405.65		1,129	9	126	126	1/ 1,129	2/ 5,463	
		Silverwood Lake	407.65	MWA CS DAM (T288)	0						
				California State Park Silverwood (T288)	9						
			407.70	Crestline-Lake Arrowhead WA State Project Water (T289)	0						
				Non-Project Water (T289)	126						
25		San Bernardino Intake Tunnel			102,730						
26A		Devil Canyon Powerplant	412.73		102,730	16,673	4,094	4/ 3,316	2/ 5,463	3/ 4,094	
		Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0						
				MWD-Rialto (T293)	22,136						
				Desert Water Agency Transfer (T293)	0						
				Coachella Valley WD Transfer (T293)	0						
				MWD EBX-1 (T290)	0						
				MWD EBX-1 (T291)	0						
				East Branch Extension	7,410						
				MWD (T294)	48,381						
28G	28H	Santa Ana Valley Pipeline	425.46								
			433.06	MWD-SC Box Springs (T295)	8,491	8,491	14,336	146	1/ 1,129	2/ 5,463	
			440.05	MWD-SC Perris Bypass Pipeline (T296)	14,336						
28J	69	Lake Perris	442.00	MWD-SC (T297)	146						
			443.44	MWD-SC 54" & 78" (T299)	938		938	37	1/ 1,129	2/ 5,463	
				Calif. State Park Lake Perris Parks & Rec. (T298)	37						
				MWD Total:	129,799	88,965	0	0	0	40,834	

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ 2010 Water Transfer.

3/ Includes 3,078 AF to San Gabriel Valley MWD, 0 AF to San Bernardino Valley MWD, and 1,016 AF to San Gorgonio Pass WA.

4/ To San Bernardino Valley MWD.

**Table 32. Water Quality At Selected SWP Locations**

July 2010

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO <sub>3</sub>	37	74	53	52	81	75	73	74	71
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	<0.1	<0.1	0.2	0.2	0.2	0.1	0.2
Bromide	mg/l	<0.01	0.03	0.06	0.06	0.24	0.20	0.19	0.19	0.18
Calcium	mg/l	8	13	12	11	21	19	19	19	19
Chloride	mg/l as C	<1	12	21	20	77	64	61	61	56
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	32.000	73.000	57.000	54.000	106.000	97.000	93.000	93.000	93.000
Iron	mg/l	0	0	0	0	0	0	0	0	<0.005
Lead	mg/l as CaCO <sub>3</sub>	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3.000	10.000	7.000	7.000	13.000	12.000	11.000	11.000	11.000
Manganese	mg/l	<0.005	0.009	<0.005	0.010	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	0	0	1	0	0	0	0
Organic Carbon, Dissolved	mg/l	NR	3.800	2.900	2.800	3.700	3.500	NR	3.700	3.800
Organic Carbon, Total	mg/l as N	NR	4.20	3.00	4.70	3.90	3.80	3.80	3.80	3.80
Phosphate-Ortho	mg/l as P	<0.01	0.14	0.06	0.06	0.07	0.07	NR	0.07	0.06
Phosphorus-Total	mg/l	<0.01	0.19	0.10	0.06	0.08	0.15	0.08	0.09	0.11
Selenium	mg/l	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	3	15	17	16	51	44	42	42	41
Specific Conductance	µS/cm	81	213	207	195	506	443	426	429	415
Sulfate	mg/l	2	13	13	12	43	37	35	35	37
Total Dissolved Solids	mg/l	54	122	118	108	289	243	244	242	234
Turbidity	NTU	2	32	10	6	3	7	8	9	3
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

**Table 33. Water Quality At Selected Delta Stations**

July 2010

Date	Antioch Tides (feet above mean sea level)		Flow In CFS				Electrical Conductivity in millisiemens/cm								Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	5.35	4.03	6,232	6,232	11,378	0.35	1.74	0.17	0.16	0.16	0.16	0.25	0.31	0.28	20
	2	5.38	3.94	5,619	5,926	11,644	0.36	1.70	0.17	0.16	0.16	0.16	0.22	0.39	0.25	20
	3	5.46	3.84	5,834	5,895	12,409	0.36	1.36	0.17	0.16	0.16	0.16	0.22	0.42	0.23	18
	4	5.86	3.90	5,412	5,774	12,334	0.44	2.86	0.17	0.16	0.17	0.16	0.22	0.46	0.24	19
	5	6.25	4.26	5,442	5,708	12,085	0.58	4.58	0.19	0.17	0.18	0.16	0.23	0.46	0.25	18
	6	6.63	4.59	5,519	5,490	11,855	0.82	5.55	0.27	0.18	0.22	0.16	0.23	0.43	0.24	19
	7	6.81	4.67	4,926	5,409	11,752	1.03	5.92	0.31	0.19	0.25	0.17	0.22	0.41	0.23	19
	8	6.79	4.66	5,348	5,542	12,531	1.17	5.99	0.36	0.20	0.28	0.18	0.22	0.40	0.25	18
	9	6.93	4.66	5,269	5,511	13,059	1.30	6.19	0.35	0.22	0.29	0.19	0.21	0.38	0.28	18
	10	6.99	4.66	4,190	5,379	13,121	1.42	5.58	0.42	0.24	0.33	0.20	0.21	0.36	0.26	17
	11	7.06	4.67	6,004	5,436	13,322	1.54	5.36	0.49	0.26	0.37	0.22	0.21	0.34	0.28	18
	12	7.06	4.71	6,441	5,520	13,389	1.65	6.76	0.59	0.29	0.40	0.23	0.20	0.36	0.22	17
	13	6.86	4.50	6,338	5,583	13,249	1.50	6.32	0.48	0.31	0.38	0.25	0.20	0.45	0.25	16
	14	6.45	4.27	7,768	5,739	13,795	1.30	5.53	0.33	0.32	0.35	0.26	0.21	0.49	0.25	13
	15	5.92	5.43	7,154	5,833	13,703	1.26	4.78	0.28	0.33	0.33	0.28	0.20	0.48	0.24	17
	16	5.89	4.98	6,912	5,901	13,590	1.24	4.99	0.29	0.34	0.34	0.29	0.20	0.45	0.23	18
	17	6.04	4.20	6,902	5,959	13,563	1.14	4.79	0.25	0.34	0.35	0.30	0.21	0.43	0.22	18
	18	6.25	4.16	7,277	6,033	13,843	1.13	4.63	0.24	0.35	0.35	0.32	0.21	0.41	0.23	18
	19	6.47	4.26	7,697	6,120	14,122	1.18	4.79	0.22	0.35	0.37	0.33	0.21	0.44	0.23	20
	20	6.75	4.51	7,622	6,195	14,276	1.31	5.51	0.29	0.35	0.42	0.34	0.21	0.40	0.22	20
	21	6.68	4.63	6,983	6,233	14,243	1.47	6.01	0.33	0.35	0.46	0.36	0.21	0.40	0.22	21
	22	6.70	4.57	7,042	6,270	14,399	1.45	5.77	0.37	0.35	0.46	0.37	0.21	0.43	0.24	23
	23	6.75	4.57	7,468	6,322	14,858	1.46	5.52	0.35	0.35	0.47	0.39	0.21	0.44	0.22	24
	24	6.67	4.55	7,747	6,381	15,015	1.39	5.60	0.34	0.35	0.46	0.39	0.21	0.41	0.23	27
	25	6.62	4.59	7,874	6,441	14,877	1.43	5.75	0.36	0.34	0.47	0.40	0.21	0.37	0.22	27
	26	6.56	4.63	7,756	6,491	14,783	1.38	5.89	0.40	0.32	0.48	0.41	0.21	0.40	0.23	27
	27	6.45	4.49	6,569	6,494	14,804	1.29	5.67	0.35	0.32	0.46	0.41	0.22	0.43	0.23	28
	28	6.03	4.24	6,938	6,510	15,048	1.12	4.83	0.25	0.31	0.42	0.42	0.22	0.46	0.24	29
	29	5.68	4.14	6,696	6,517	14,904	1.03	4.33	0.21	0.30	0.41	0.42	0.23	0.43	0.23	29
	30	5.45	4.12	5,412	6,480	14,780	0.99	4.10	0.18	0.30	0.41	0.43	0.23	0.42	0.23	31
	31	5.63	4.10	6,313	6,474	14,775	0.97	3.93	0.17	0.29	0.40	0.43	0.24	0.43	0.23	31

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

July 2010

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 16, 2010	Diuron Metolachlor	0.32 0.40
California Aqueduct At Banks Pumping Plant	June 16, 2010	Metolachlor	0.10
O'Niell Forebay Outlet Check 13	June 15, 2010	Simazine	0.02
Delta Mendota Canal At McCabe Road	June 15, 2010	Methoxychlor	0.06
California Aqueduct Near Kettleman City (Check 21)	June 15, 2010	Metolachlor Simazine	0.10 0.02
California Aqueduct At Near Highway 119 (Check 29)	June 21, 2010	Simazine	0.02
California Aqueduct at Tehachapi Afterbay (Check 41)	June 16, 2010	Metolachlor Simazine	0.10 0.02
California Aqueduct At Devil Canyon Headworks	June 16, 2010	Simazine	0.02

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load	July 2010
	Generation	Load			Total Load	SWP Load			
1	6,608,602	5,676	47,345	46,282	2,831,624	2,831,624	447,154	476	
2	6,944,025	5,544	44,886	48,000	3,409,480	3,409,480	435,179	499	
3	7,083,857	4,532	47,104	45,860	3,757,352	3,757,352	442,372	447	
4	7,745,573	3,839	41,931	44,065	3,745,192	3,745,192	437,457	379	
5	6,995,021	3,047	36,331	41,451	3,685,960	3,685,960	410,024	376	
6	8,317,529	3,201	40,502	43,947	3,625,312	3,625,312	399,648	351	
7	10,618,520	0	40,340	43,054	3,106,448	3,106,448	414,387	452	
8	10,539,056	0	49,181	47,710	3,344,072	3,344,072	439,258	447	
9	10,653,159	0	38,904	45,513	3,732,432	3,732,432	414,987	494	
10	11,172,381	0	40,715	41,604	3,497,520	3,497,520	412,328	478	
11	11,190,135	0	44,720	46,821	2,778,408	2,778,408	426,374	434	
12	11,226,523	0	42,082	42,390	3,119,096	3,119,096	446,180	352	
13	11,176,374	0	45,199	47,309	3,148,216	2,237,216	450,319	354	
14	9,253,926	0	43,280	43,941	2,367,456	1,456,456	432,397	421	
15	9,375,905	0	52,199	50,157	2,356,064	1,445,064	431,167	386	
16	9,330,992	0	50,235	48,478	2,272,600	1,361,600	430,480	388	
17	9,423,282	0	45,142	45,040	2,232,280	1,321,280	416,726	386	
18	10,631,709	0	46,897	45,521	2,265,488	1,952,488	422,585	386	
19	10,609,137	0	42,015	44,420	2,206,760	1,893,760	419,694	369	
20	10,641,631	0	45,422	45,061	2,401,992	2,088,992	429,116	332	
21	10,969,607	0	37,120	40,923	2,550,984	2,237,984	433,698	431	
22	11,042,570	0	43,844	42,382	2,879,440	2,566,440	422,543	456	
23	10,739,311	0	50,023	45,394	2,875,440	2,562,440	441,624	439	
24	9,864,261	0	46,248	43,860	2,808,720	2,495,720	444,165	378	
25	10,621,897	0	44,748	47,496	2,877,208	2,598,208	430,426	374	
26	10,665,974	0	40,622	42,493	2,886,120	2,886,120	447,159	414	
27	10,722,206	0	44,041	46,142	3,421,104	3,421,104	441,241	451	
28	10,718,037	0	42,339	44,044	3,439,368	3,439,368	444,792	498	
29	10,721,260	0	47,201	47,561	3,338,032	3,338,032	416,246	531	
30	10,760,332	0	46,912	47,366	3,173,024	3,173,024	435,917	512	
31	10,759,936	0	43,397	43,392	3,389,888	3,389,888	418,634	513	
Total	307,122,728	25,839	1,370,926	1,397,675	93,523,080	86,498,080	13,334,269	13,204	

**Table 36. San Luis Field Division Energy Data**

(in kWh)

July 2010

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,527,157	1,671,158	1,274,042	298,042	7,986	7,986
2	2,539,588	1,683,588	1,450,691	570,691	7,700	7,700
3	2,616,138	1,760,139	949,069	69,069	7,667	7,667
4	2,261,039	1,397,041	969,309	60,309	6,611	6,611
5	2,125,062	1,261,063	1,135,827	52,827	1,210	1,210
6	2,535,505	1,679,505	972,268	63,268	1,127,038	1,127,038
7	2,350,868	1,494,868	1,223,530	140,530	1,023	-22,977
8	2,669,182	1,813,183	1,371,821	462,821	6,622	-1,378
9	2,643,397	1,787,398	1,778,117	183,117	979	-7,021
10	2,691,581	1,835,582	1,063,227	106,227	6,633	6,633
11	2,278,714	1,414,717	1,318,603	180,603	0	0
12	2,193,685	1,337,688	1,599,906	461,906	99	99
13	2,513,560	1,540,555	1,532,520	1,242,520	8,074	8,074
14	2,759,184	1,786,182	1,893,881	1,178,881	8,547	8,547
15	2,864,630	1,891,629	3,007,598	2,512,598	0	0
16	2,929,635	1,956,634	2,611,829	1,683,829	0	0
17	2,853,112	1,880,112	2,954,886	2,026,886	0	0
18	2,644,709	1,519,710	2,779,260	1,851,260	0	0
19	2,634,655	1,517,655	2,387,011	1,459,011	0	-8,000
20	2,757,164	1,640,164	2,520,969	1,128,969	0	0
21	2,752,542	1,635,538	1,860,034	4,034	0	0
22	2,893,536	1,776,536	1,856,118	638,118	0	0
23	2,885,474	1,660,474	2,041,534	331,534	0	0
24	2,807,293	1,582,292	2,000,152	620,152	0	0
25	2,495,707	1,262,709	1,704,791	370,791	0	0
26	2,621,306	1,396,307	1,800,040	350,040	0	0
27	2,573,230	1,348,227	1,778,227	328,227	0	0
28	2,673,481	1,448,478	1,673,771	281,771	0	0
29	2,534,193	1,309,196	1,493,723	-72,277	0	0
30	2,670,694	1,445,695	1,493,943	-18,057	0	0
31	2,487,272	1,291,272	1,483,295	-28,705	110	110
Total	80,783,293	49,025,295	53,979,992	18,538,992	1,190,299	1,142,299

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Plant Energy Load Data**

(in kWh)

July 2010

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	47,816	118,367	56,561	53,572	56,741	1,548,200	1,471,779	3,095,631	11,100,159
2	56,594	141,408	66,127	61,061	66,083	1,524,317	1,518,255	3,269,387	11,795,652
3	57,888	144,370	63,444	57,963	63,526	1,645,992	1,696,482	3,715,844	13,581,702
4	56,385	138,895	60,525	56,361	61,521	1,594,886	1,641,179	3,648,788	13,463,793
5	44,132	110,908	49,330	44,326	49,542	1,485,140	1,526,656	3,313,266	12,205,971
6	51,867	124,677	65,738	61,036	65,862	1,552,694	1,555,002	3,352,118	12,070,971
7	53,278	133,305	52,513	49,647	52,582	1,615,673	1,510,339	3,231,481	11,627,604
8	55,532	134,125	66,950	62,813	67,559	1,688,051	1,628,087	3,452,053	12,641,481
9	51,570	129,083	68,525	63,536	67,549	1,632,737	1,581,131	3,416,248	12,250,440
10	52,813	130,332	66,524	62,888	68,129	1,732,869	1,637,300	3,549,348	12,916,665
11	52,488	131,327	85,830	80,619	84,425	1,413,117	1,411,074	3,135,088	11,503,620
12	43,958	109,933	70,392	64,857	71,268	1,424,812	1,359,914	2,986,280	10,889,559
13	54,676	135,502	85,940	81,991	85,572	1,354,489	1,310,564	2,836,955	10,055,772
14	55,364	136,743	81,185	75,812	81,669	1,365,786	1,253,671	2,653,959	9,468,063
15	59,840	145,038	84,949	79,712	84,491	1,660,916	1,599,304	3,476,209	12,544,740
16	59,576	144,393	85,281	79,341	86,103	1,666,759	1,583,635	3,403,719	12,382,605
17	63,558	155,544	82,799	79,142	82,716	1,771,866	1,724,225	3,754,355	13,713,381
18	60,707	148,790	88,860	83,336	88,099	1,700,532	1,698,242	3,735,776	13,604,625
19	53,189	126,276	80,301	74,875	80,958	1,675,775	1,658,875	3,628,735	13,218,552
20	56,549	139,383	78,491	73,547	78,103	1,691,165	1,681,254	3,624,588	13,170,357
21	58,934	145,567	82,476	78,234	82,715	1,675,233	1,612,523	3,447,697	12,559,104
22	55,281	136,225	76,454	71,574	76,438	1,673,199	1,587,542	3,391,520	12,384,522
23	55,781	134,196	83,765	78,310	83,385	1,672,976	1,596,643	3,439,293	12,392,217
24	54,055	122,620	77,901	73,831	79,210	1,683,788	1,608,629	3,486,945	12,643,479
25	57,244	132,319	80,789	74,258	80,012	1,724,886	1,805,303	4,026,022	15,054,066
26	51,640	128,880	74,167	70,161	74,758	1,757,250	1,717,391	3,737,547	13,624,713
27	51,371	123,246	76,446	73,175	75,587	1,717,621	1,658,560	3,568,455	12,967,992
28	53,375	129,569	77,761	72,945	78,702	1,696,248	1,675,377	3,615,480	12,891,879
29	56,864	139,270	69,716	63,752	69,375	1,710,929	1,633,590	3,505,293	12,720,537
30	56,080	136,285	88,675	84,870	86,871	1,629,925	1,645,425	3,545,707	12,829,239
31	48,943	114,424	84,411	79,978	85,225	1,695,541	1,670,447	3,640,428	13,296,339
Total	1,687,348	4,120,999	2,312,826	2,167,525	2,314,777	50,383,372	49,258,397	106,684,215	387,569,799

**Table 38. Southern Field Division Energy Data**

(in kWh)

July 2010

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	267,301	764,848	1,296,000	305,335	2,392,525	3,978,342	254,276	43,332	59,731	988
2	357,416	630,237	1,296,000	318,061	2,364,951	4,366,429	270,971	49,447	67,741	972
3	398,761	687,188	1,296,000	304,255	2,506,928	4,266,713	280,930	46,943	65,364	854
4	430,147	794,875	1,296,000	305,822	2,607,094	4,162,846	280,911	46,004	64,671	642
5	323,681	798,298	1,296,000	320,746	2,609,965	4,154,296	295,735	46,009	64,697	802
6	338,268	797,918	1,296,000	300,842	2,608,326	4,173,721	281,384	46,578	64,697	4,890
7	345,532	860,239	1,296,000	319,917	2,432,353	4,182,584	286,322	46,995	64,685	3,643
8	336,848	855,962	1,296,000	286,572	2,508,618	4,207,154	267,962	49,641	66,843	752
9	303,920	894,224	1,296,000	309,184	2,493,401	4,166,413	277,303	49,667	67,645	705
10	467,256	794,426	1,296,000	284,919	2,441,932	4,146,134	269,201	46,994	65,474	674
11	374,762	795,706	1,296,000	293,322	2,130,413	3,547,678	232,284	46,052	64,866	811
12	309,666	796,303	1,296,000	327,832	2,199,118	3,391,740	258,659	46,178	64,854	3,616
13	254,077	797,243	1,296,000	322,938	2,152,145	3,644,219	207,678	46,278	64,955	2,330
14	279,296	793,603	1,296,000	274,693	1,729,546	3,514,529	212,577	48,445	67,334	720
15	609,202	1,373,425	2,304,000	328,756	1,891,890	3,496,295	198,778	48,863	67,938	772
16	711,085	1,421,901	2,304,000	302,999	1,912,835	3,278,034	183,383	49,830	67,867	742
17	737,955	1,470,404	2,304,000	320,573	1,695,216	3,725,053	181,436	48,705	65,669	737
18	646,055	1,405,355	2,304,000	331,705	2,235,573	3,999,204	227,445	48,649	64,846	733
19	466,889	969,953	1,560,000	322,170	2,344,549	4,086,943	272,656	50,886	66,822	3,257
20	380,419	947,719	1,560,000	318,649	2,241,832	4,180,309	260,435	50,801	67,499	4,431
21	600,606	949,803	1,560,000	338,491	2,563,340	4,329,389	271,842	50,781	67,435	4,474
22	308,255	803,093	1,296,000	317,334	2,510,605	4,156,643	281,896	51,301	67,448	4,458
23	395,777	819,574	1,296,000	305,685	2,515,262	4,077,860	284,873	50,966	67,474	4,423
24	344,539	818,348	1,296,000	307,062	2,380,277	4,010,958	280,715	48,460	65,482	4,423
25	592,066	812,689	1,296,000	325,696	2,607,337	3,939,872	277,168	48,450	64,597	4,432
26	438,398	816,283	1,296,000	330,276	2,611,600	4,257,353	284,585	50,743	66,707	4,479
27	473,002	812,471	1,296,000	331,381	2,509,802	4,056,851	286,902	47,186	60,854	4,578
28	376,908	792,045	1,296,000	336,291	2,496,643	4,283,914	285,050	51,706	67,210	4,492
29	371,286	810,721	1,296,000	337,987	2,423,331	4,270,838	255,266	50,775	67,268	4,422
30	388,813	855,946	1,296,000	350,710	2,600,278	3,977,777	281,805	50,415	67,245	4,456
31	519,311	884,042	1,296,000	334,605	2,607,435	4,087,310	282,322	48,334	65,000	4,432
Total	13,147,495	27,824,842	45,000,000	9,814,804	73,325,122	124,117,402	8,072,747	1,505,412	2,040,916	82,140

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.